Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

Volume 154 No. 10 September 6, 1948

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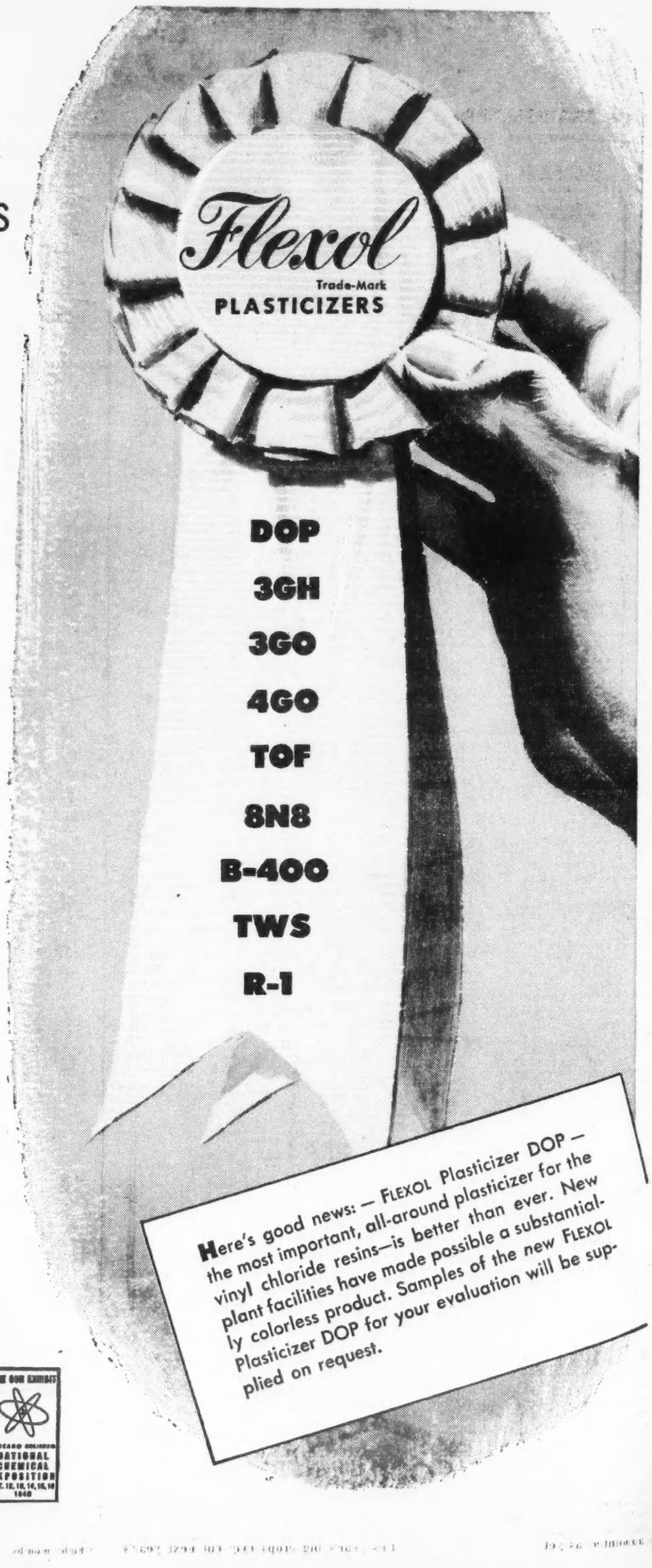
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Chemical Industry Sales At Peak in January-June

Sales of the chemical process industries during the first half of 1948 soared to an all-time peak of $4,500,000,000, which was 20 percent above the total for the same period of 1947, according to a survey reported Tuesday at the 114th national meeting of the American Chemical Society in Washington.

Although part of the gain reflects the continued rise in prices, much of it was due to an enormous increase in output made possible by the largest program of plant expansion conducted by any industry during 1947-48, Dr. Robert S. Aries, adjunct professor of chemical engineering in the Polytechnic Institute of Brooklyn, declared in a paper on "Profits in the Chemical Industry."

Last year, the chemical industry spent $1,500,000,000 on new factories and equipment, and it plans to spend another $1,200,000,000 this year, Dr. Aries said, noting that the 1947 figure compares with totals of only about $250,000,000 for textiles, $800,000,000 for metals, and $600,000,000 for automobile manufacturing.

Asserting that the chemical industry is proportionately the nation's most profitable, Dr. Aries emphasized that the high rate of return is no more than commensurate with the high risk confronting the industry at all times and the tremendous rate of obsolescence caused by continuing technological advances.

Moreover, the profitable operation of the industry is proving highly beneficial to the general economy of the country, Dr. Aries asserted, citing the record capital expenditure on chemical facilities by way of proof.

Chemical Companies' Profits

The percentage of return of the chemical industry in 1947 was 19 percent, as compared with 17 percent for all indus-

—Continued on page 47

WAA Receives Two Bids For Oregon Alcohol Plant

Two bids have been received by the War Assets Administration for the government's experimental plant at Springfield, Ore., for the production of alcohol from wood waste. They are now under study by WAA officials.

The first bid was from the Wastewood Chemical Company, Milwaukee, Wis., which offered to lease the plant for five years with an option to renew, in return for which it agreed to pay the government a rental of 10 percent of the annual net profits of the plant.

It proposes to use the plant for production of alcohol from wood waste and estimated that if operated at its capacity of 5,950,000 gallons of 190 proof alcohol annually, the net profit would amount to $1,800,000, from which the government would $180,000.

The bidder also asked for an irrevocable option to purchase the plant from the government for $1,200,000 which it could exercise at any time during the period of the lease.

The other bid was submitted by Leach Brothers, of Chicago, owner of the Southern Naval Stores Division of Mississippi. It offered to purchase the plant for $51,100 on a down payment of 20 percent, with the balance due over a period of ten years. It proposed to use the plant for the production of either alcohol or molasses from wood waste.

The plant, built during the war, cost the government $3,000,000. It has never been completed nor operated, according to WAA.

Virden Leaves OIC

James C. Virden resigned September 1 as director of the Office of Industry Cooperation of the Department of Commerce to return to Cleveland where he had engaged in the electrical equipment manufacturing business before he joined the government.

Mr. Virden became associated with the department last January to organize OIC and direct the program of voluntary industry agreements for allocation of scarce materials under the provisions of Public Law 395. No successor to Mr. Virden has been appointed as yet.

Sulphuric Acid Tankcar Transport Order Revoked

Special allocation order ODT R-1, issued January 23, 1947, covering the use of certain tankcars for the movement of sulphuric acid and ammonium nitrate solution was revoked September 1 by the Office of Defense Transportation.

The purpose of the order at the time of its issuance was to force some companies leasing tankcars to lease them to certain shippers and producers of these materials being consumed in the Army's overseas fertilizer program. Certain private shippers having Army tankcars under lease also were required to make the cars available for use in the Army fertilizer program.

Soybean Meal and Margarin Export Allocations Approved

The Department of Agriculture last week approved the following emergency export allocations:—20,000 pounds of margarin to the International Children's Emergency Fund to be used in child-feeding programs in the Trans-Jordan area, commercial procurement, and eighty long tons of soybean meal to the United Kingdom for use in streptomycin production, commercial procurement for August-December shipment.

OIT's New Export License Stamp in Use

All export licenses issued by the Office of International Trade on or after September 1 will be validated by means of OIT's new validation stamp. Collectors of Customs have been notified that no license validated on or after that date will be acceptable unless it bears the new stamp.

With certain exceptions, the use of the perforation stamp for validating export licenses was terminated on August 31. Until further notice, export licenses validated by perforation, and issued prior to September 1, will continue to be valid and acceptable to collectors of Customs until the expiration of the validity period shown on the license, or until the entire licensed amount has been shipped, whichever is sooner.

FTC Pricing Policies Probers Ask Assistance

Trade associations, chambers of commerce and labor organizations are being urged to assist the senate trade policies committee in assembling information bearing on its forthcoming inquiry into the freight absorption and delivered price problems growing out of the decision of the Supreme Court of the United States in the Cement Institute case.

Thousands of letters sent to trade and commercial organizations outline types of information which the committee believes will be helpful in its study of the problems. Included among the data being sought is the following:—

1. A list of industries in the various communities which sell their products or purchase their raw materials on a delivered price basis, f.o.b. plant basis, zone basis, or any other basis involving freight absorption to meet competitors' lower prices.

2. Industries that can sell all of their normal production within the market or area in which they are located and those which cannot. Also, those which purchase their material in their market area and those that cannot.

3. Whether any industries will have to move because they are unable to sell in their market area or acquire adequate raw materials in that area; number of employees involved, and the capital investment in the plant.

William Simon, counsel for the committee, expressed the hope that the business and labor organizations also will aid in suggesting representatives to testify at hearings to begin in mid-November. The committee particularly desires to hear executives of small business concerns affected in any way by elimination of basing point pricing or freight absorption.

Superphosphate Water Freight Rate Increased

An increase in the all-water rate on the movement of superphosphate from the Atlantic Coast to the Pacific Coast from $11.40 a ton to $17.80 a ton went into effect August 28. The increase was allowed by the Interstate Commerce Commission on a petition filed by the water carriers. It applies to all forms of superphosphate except grandular, which continues at the $11.40 rate. A protest against the increase had been filed with the commission by Swift & Co., asking that it be suspended pending hearing. The commission turned down the request, however.

U. S. Acts to Ease Phosphate Shortage

Public hearings were held on August 31 at Pocatello, Idaho, on proposed new regulations of the bureau of land management of the Department of the Interior to encourage the exploration and production of phosphate on the public lands in the west. The hearings were under the supervision of Assistant Secretary of the Interior C. Girard Davidson.

The proposed regulations are based on a law passed by Congress in June which increases the maximum acreage of phosphate leases that can be held within a state from 2,560 to 5,120 acres, fixes the national maximum holding at 10,240 acres, contains other provisions to protect the operator during the period of development, and simplifies procedure for obtaining leases.

The regulations are part of a broader program of the department to encourage fuller utilization of the nation's resources and to point the way toward more economic development of the deposits by complete recovery of the byproducts. Mr. Davidson explained that eighteen months ago the department inaugurated a three-year program of research and study to provide private industry with the basic information it needs to undertake development of western phosphates. From the funds available, this much has been accomplished thus far:—

Mapping Known Deposits

Detailed geologic mapping of known deposits in some of the most important areas of the Idaho-Utah-Wyoming triangle have been completed by the Geological Survey, and work is going forward now in all other areas. Reconnaissance surveys are being made throughout the region and already new deposits which may be of commercial value have been discovered in western Montana.

Mining cost studies have been made by the Bureau of Mines. The bureau is also experimenting with beneficiation of raw rock phosphates in the Salt Lake laboratory. Recovery of vanadium by electrothermal processing of rock phosphate is being explored at Albany, Ore. Bonneville Power Administration has planned the interconnection of generating and transmission facilities in the northwest, which will serve a phosphate industry, and has mapped out the long-run and short-run availability of low-cost public power in this area.

Mr. Davidson said that western farmers need the development of phosphate deposits in that region to rescue them from their present state of "colonial dependency" on the east for fertilizer supplies. Sixty percent of the nation's phosphate deposits are in four western states—43 percent in Idaho, 13 percent in Utah, 3 percent in Montana and 1 percent in Wyom-

—Continued on page 47

Price Trend Continues Upward

Although more divisions and more items were affected by price reductions, the advances made last week in the markets for chemicals, oils, and drugs were more weighty and the general average was raised a further 0.3 point.

The influencing movements were those in nonferrous metal derivatives and egg products. Fatty oils broke fairly even, a bit on the downside although the trend in vegetable oils was upward; fatty acids mostly were reduced. Several changes on important items, mostly advances, were not joined in by all suppliers; so that the market levels of record were not moved. Further expansion in those areas and in others is expected. Bismuth, silver, and zinc contributed to the advance in metallics. No inorganics were reduced.

Other materials of importance on the upside were tricresyl phosphate, sodium acetates, and propane. Individual reductions included tartaric acid, furfural, monochloroacetic acid, and goldenseal. Milk products also were lower. Aromatic herbs and oils continued to reflect market weaknesses; although peppers were advanced.

Trading fell off a bit more in most lines. Nobody is averring that the termination of the holiday season this week will be followed by more interest in materials. There will be some improvement if some still scarce items are got into better supply. The inorganic fertilizer nitrogenates are an outstanding example: mixers are obliged to curtail operations because they cannot get enough of these materials. But this year's big crops may cut next year's planting. There may be more activity in the alkali group, but the general expectation is for an easy supply of all but solid caustic and calcium chloride. The last is very tight. There has been some easing in acetic acids, but costs are going to necessitate higher quotations soon.

Offerings in the oils and fats field continue slack on both sides. Big yields are expected on the vegetable side, but the linseed situation has made the drying-oils outlook a puzzle; tung offerings were curtailed. In all corners it was believed that a firm order of fair size would find a concession. Animal oils and fats continue to be neglected in spite of the subnormal operations in meats. The same is true of by-products.

OPD Price Index

The OIL, PAINT, AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Sep. 3, 1948	Aug. 27, 1948	Sep. 5, 1947
144.6	144.3	140.0

The base of the OPD Price Index is the average of prices in 1926 and 1926, those years representing extremes of price undulations in the inter-war period.

OPD Index Monthly Averages

	1948	1947	1946	1945	1941
January	150.4	150.9	135.3	133.0	107.8
February	147.2	151.9	135.4	132.2	110.3
March	146.2	154.9	135.2	132.7	111.9
April	145.2	152.3	134.9	132.2	115.5
May	146.7	148.1	135.1	132.5	118.2
June	147.3	143.9	135.4	132.5	121.9
July	145.9	142.5	137.7	133.5	125.5
August	144.4	140.4	136.6	133.9	123.2
The year	146.9	147.6	135.5	133.8	121.2

* Eight months.

Alkali Industry Advisory Committee Meets Sept. 10

Another attempt to get the alkali industry to draw up a voluntary agreement under Public Law 395 covering distribution of alkalies between now and February 28, when the law expires, has been started by the Department of Commerce.

It was announced on September 1 by the Office of Industry Cooperation, which has charge of administering the law, that the alkali industry advisory committee has been invited to discuss "various questions in connection with the possibility of setting up a voluntary plan to establish export allocations" at a meeting to be held in the department on September 10.

It will be recalled that previous attempts to draw up such an agreement failed several months ago when the Department of Justice refused to give clearance to one of the big alkali producers to membership on the committee. Since that time the Office of International Trade, another agency of the department, has set up its own alkali industry committee on exports and is now well on its way towards solution of many of the problems connected with alkali exports.

The department's announcement of the projected meeting of the OIC's committee did not indicate what particular questions it proposed to deal with which have not already been the subject of discussions of the OIT's committee.

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Baker Joins Continental

The Continental Oil Company, Ponca City, Okla., has appointed E. R. Baker manager of its new development and research department. Formerly, he was director of development for Emery Industries, Inc., Cincinnati.

Burns Heads Hartol

W. Chalmers Burns, formerly president of the Richfield Oil Corporation, has been elected president of the Hartol Petroleum Corporation to succeed the late Raymond W. Parker.

ECA Announces Additional Procurement Authorizations

Procurement authorizations granted to Marshall plan countries by the Economic Cooperation Administration as of September 2 totaled $1,379,856,688, according to ECA.

Included among the new authorizations were funds for purchases of various oilseed products, chemical and drug items, petroleum products, as well as many other articles.

Among the new authorizations were the following (United States is source of origin unless otherwise shown):

To Austria—a decrease of $36,830 in previous authorizations for purchase of dyestuufs; $289,900 for palm kernels from Portuguese West Indies; $36,440 for anthracene oil from Switzerland; $1,600 for tin from Netherlands East Indies; $16,000 for lead from Italy, and $238,760 for zinc from Belgium.

To Bizone Germany — $3,091,000 for copra from the Philippines; $2,400,000 for whale oil from Norway, and $6,702,000 for leather.

To Denmark—$1,788,525 for cottonseed cake or expellers from Paraguay, Brazil, China, Peru and Haiti; $444,600 for palm kernels from Liberia; $187,000 for sunflower seed cake or expellers from Uruguay; $11,760 for peanut cake from Paraguay; $222,650 for copra expellers from Paraguay and the Philippines; $513,280 for sesame seed from Portuguese West Africa; $245,000 for fuel oil from Netherlands West Indies; $955,000 for liquid and hard petroleum products, and $87,366 for streptomycin.

To France—$102,000 for chemicals; $333,300 for tungsten ore, $119,000 for paraffin wax from Canada; $531,385 for tung oil; $1,389,000 for copra from the Philippines; $660,000 for sulphur; $123,000 for seal oil from Newfoundland; $495,000 for ammonium nitrate from Canada; $1,090,000 for nitrate of soda from Chile; $248,000 for nitrogen fertilizer; $283,000 for oiticica oil from Brazil; $520,000 for babassu kernels from Brazil; $2,508,280 for shelled peanuts and sesame seed from China; $162,880 for rapeseed from China; $161,000 for petroleum coke; $5,000 for spare parts of chemical industry machinery from Bizone Germany, and $99,792 for balata from Brazil.

To Greece—$20,000 for non-metallic minerals; $3,080,000 for motor gasoline; $176,000 for diesel oil, and $70,360 for denatured alcohol.

To Italy—$20,336 for medical supplies.

To Netherlands—$743,366 for petroleum products; $54,300 for copra cake from the Philippines; $855,000 for nitrogen fertilizer from Chile; $520,000 for oilseed cake or meal from Brazil; $520,000 for oilseed cake or meal from Uruguay; $40,000 for sulphur and crude bentonite; $120,000 for naval stores; $1,170,000 for cattle hides; $250,000 for linseed cake or meal from Canada, and $560,000 for pigments and printing inks and carbon blacks.

Imperial Paper & Color Promotes Brown, Karpeles

Imperial Paper & Color Corporation, Glens Falls, N. Y., has appointed Arthur F. Brown to the newly created position of executive vice-president, and has promoted Seymour L. Karpeles from assistant general manager to general manager of the pigment color division and elected him to the board of directors.

Mr. Brown joined Imperial in 1921 and after serving as sales manager until 1928 was named general manager of the pigment color division and elected a director. He is a member of the American Chemical Society, American Society for Testing Materials, and has served several terms as president of the Dry Color Manufacturers' Association.

Mr. Karpeles joined the organization in 1935. During the past war he served on the War Production Board directing activities of chemical pigment colors. He is chairman of the dry color standards subcommittee of the National Bureau of Standards.

Wittenberg Joins Baker

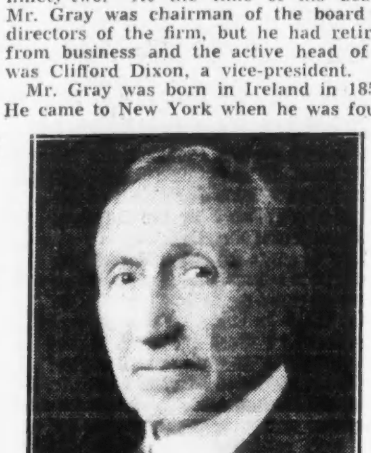
Robert B. Wittenberg has joined J. T. Baker Chemical Company, Philipsburgh, N. J., in an executive capacity. He formerly was manager of the potash chemical department of International Minerals & Chemical Corporation.

Obituaries

William S. Gray

William Steele Gray, founder of the sixty-eight-year old firm of William S. Gray & Co., and who spent his entire business career in the chemical trade in New York, died August 30 at the age of ninety-two. At the time of his death, Mr. Gray was chairman of the board of directors of the firm, but he had retired from business and the active head of it was Clifford Dixon, a vice-president.

Mr. Gray was born in Ireland in 1859. He came to New York when he was four-



William S. Gray

teen years old and at twenty-four became a chemical broker with practically no capital. In 1885, he had no difficulty capitalizing for $250,000, which was later increased to $500,000. The business done in 1880 when he started was negligible, but by 1930 the firm was doing $12,000,000 a year.

At an early date, Mr. Gray changed from a chemical broker to a commission merchant and engaged in the then very young wood chemical industry. Eventually, he dominated the domestic and export business of the industry, which reached a high degree of prosperity from 1890 until the advent of synthetic methanol and fermentation acetone at the close of the first world war.

He was a member of the Drug and Chemical Club board of governors from 1902 until 1908, its vice-president in 1903, and president in 1907. He was also a member of the Chemists Club.

Surviving are his son, William S. Gray jr., president of the company, and president of the Central Hanover Bank, New York; a daughter, Mrs. W. F. Hencken of Greenwich, Conn., and six grandchildren. One grandson, William S. Gray III, recently was added to the board of directors of the Gray company.

Louis F. Champlin

Louis F. Champlin, veteran marketing specialist for the Department of Agriculture, died at his home in Brooklyn, N. Y., on August 28. He was fifty-two years old. Mr. Champlin was in charge of the New York office of the dairy and poultry market news service of the Production and Marketing Administration, directing the collection and dissemination of information on market conditions, trading and prices of dried milk powders and

—*Continued on page 62*

Du Pont Plastic Materials Plant to Be Ready in Fall

E. I. du Pont de Nemours & Co., Wilmington, reported last Wednesday that its new plastic materials manufacturing plant near Parkersburg, W. Va., will be ready for full-scale production this fall, marking the company's greatest single plastics expansion since it entered the industry in 1915. The plant, started in the spring of 1946, has begun limited production of newer du Pont plastics such as "Lucite" acrylic resin, polythene and nylon.

Cies Market Development Head for Lever Brothers

Ralph D. Cies, former assistant to the president of the Rexall Drug Company, Los Angeles, has been appointed manager of development for Lever Brothers Company, Cambridge, Mass. He will assume his new duties on September 15.

Alcohol Plant Lease Bid Deadline Extended

Closing date on offers to lease the government-owned alcohol plant located at Kansas City, Mo., was extended until September 7 by the Department of Agriculture in order to afford an opportunity to prospective lessees who may not have been able to prepare bids for submission by the previous deadline of August 31.

Offers to lease the plant must be received by the Department prior to 5 p.m. tomorrow addressed to the division of purchase, sales, and traffic, Washington 25, D. C. Information regarding terms of the lease and arrangements to inspect the plant can be obtained from that division.

All bids received prior to the previously announced closing date will be held and will be considered at the same time as any other offers received during the extended period, subject to the right of such bidders to withdraw, alter or amend their offers as submitted, at any time up until the new closing date.

As announced on August 3, the government will lease this plant for a period of five years, with an option in the lessee to renew for an additional period of five years. Conversion from standby to operating condition will be financed by the lessee and maintenance costs are to be paid by the lessee.

USDA Appoints Long To Farm Research Staff

The appointment of J. Dewey Long to the Department of Agriculture staff of agricultural engineers was announced Wednesday by P. V. Cardon, agricultural research administrator, in a move to strengthen further the department's research activities in this field.

Mr. Long was on the staff of the division of agricultural engineering of the University of California from 1922 until 1940 when he joined the Douglas Fir Plywood Association at Tacoma, Wash. In 1947 he went on an assignment with a mission from the Office of Foreign Agricultural Relations to Bogata, Colombia, from which he has just returned.

Paraffin Wax May Go Off Positive List

Consideration is being given by the Office of International Trade to the advisability of removing refined paraffin wax from the positive list of products requiring valid licenses to export. It is understood that an improved supply situation abroad is relieving the pressure on demand from this country and for this reason strict controls over export may be regarded as no longer necessary.

Swanson East-of-Rockies Sales Manager for Shell

H. G. Swanson, manager of Shell Oil Company's Chicago marketing division, has been transferred to the company's New York head office as general sales manager for the East-of-Rockies area. Harry Jacobs, former sales manager, has been named executive assistant to Mr. Lakin.

Foreign Market Lists

Lists of foreign outlets for chemicals and related materials and consumers goods recently compiled by the Commercial Intelligence Division of the United States Department of Commerce, include the following, which are available from the division at $1 for a list for any one country:—

Match manufacturers—Brazil.
Medicinal and toilet preparation manufacturers—France.
Naval store importers, dealers, producers, exporters—France, Italy.
Paint and varnish importers, dealers—France.

Who Has It?

Inquiries in the OPD editorial office seek sources from which the materials listed below can be obtained. Information will be gratefully received here:—

Diachlor.
Diphenylethylenediamine.
Diphenylheptadecyl ketone.
Isopropyl adrenalin.
Mazak 3.
Methoxybutyl acetate.
Methylcyclohexanone.
Sodium tetrathionate.
Sulfhydryl pentathionate.
Thebaine.
Tonophosphon.
Urea-isogamma acid.

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Insulin Shortage Seen Eased by New Process

Details of a new, German-discovered process which will help alleviate the present world-wide shortage of insulin have been released by Dr. Brock Chisholm, Director-General of the World Health Organization at Geneva.

The process, developed by Dr. F. R. Lindner of the biochemical laboratory Farbwerke Hochst, Frankfurt-am-Main, Germany, makes it possible to preserve the insulin-yielding animal pancreas gland without need for the usual low-temperature refrigeration. The pancreas glands are presently the only source of insulin, which is of particular importance to diabetics.

The Lindner process is expected to lead to a considerable increase in world production of insulin because it greatly simplifies the collection of glands from slaughter houses. The present insulin shortage is due less to a lack of pancreas than to failure to collect and treat all the glands obtained from slaughter houses.

In a letter addressed to national health authorities of all states members of the World Health Organization, Dr. Chisholm enclosed a copy of the Lindner report which was just published as a special supplement to the July issue of the Chronicle of the World Health Organization. He urged that the new method be put into operation and asked countries not producing insulin to place their supplies of pancreas glands at the disposal of insulin-producing countries in an effort to help solve the acute supply problem.

Application of the new process by Farbwerke Hochst is reported to be doubling the number of slaughter houses whence the necessary pancreas glands for insulin production in Germany are obtained. Consequently, the insulin supply is substantially improved. With present methods, pancreas glands lose their insulin content rapidly unless they are processed without delay or are refrigerated at —20 to —30 degrees Centigrade. Now, however, with a comparatively simple treatment whereby glands are chemically dehydrated, they can be stored or transported at room temperature undamaged for several days.

Sponsorship of the new process by WHO arose as a result of the world-wide survey of insulin supply and demand begun by the WHO interim commission and continued by a decision of the recent first world health assembly at Geneva. The survey showed that a large number of countries were having difficulty in supplying themselves with the insulin required, while the demand was increasing.

It is estimated on the basis of reports received from forty-six countries that over a ten-year period there may be an annual deficit of nearly 400,000,000 international units of insulin unless production is increased.

It is believed that the deficit will be only partly relieved by the current surplus in United States production, since there are one million diabetics in that country alone. However, the new method enormously increases the quantities of pancreas glands available, and consequently an increase in insulin production can be expected.

Kellogg's New Thermoplastic In Commercial Production

Commercial production in limited quantities of "Kel-F," described as an unusually stable, high temperature thermoplastic, has been announced by M. W. Kellogg Company, petroleum and chemical engineers, Jersey City, N. J.

The new plastic is a polymer of trifluorochloroethylene, with four-fifths of its weight being made up of two halogens, fluorine and chlorine. In its natural state it is colorless and transparent, although it can be blended with solid fillers and coloring agents.

Foreign Sales Leads

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating—not by telephone, please—with OPD office.

Caustic soda, Brazil (CJ-4); (CJ-6, agency); (CJ-8, agency).
Chemicals, Bombay, India (CJ-1); Brazil (CJ-2); (CJ-3); (CJ15); (CJ-6, agency).
Dyestuffs, Bombay, India (CJ-1).
Lard, Brazil (CJ-7, agency).
Lubricating oils, Brazil (CJ-5).
Pharmaceutical products, Brazil (CJ-2); Brazil (CJ-3); (CJ-7, agency).
Potash, Brazil (CJ-4).
Potassium nitrate, Brazil (CJ-3).
Rosin, Brazil (CJ-4); (CJ-8, agency).
Soda ash, Brazil (CJ-4); (CJ-8, agency).
Sodium silicate, Brazil CJ-8, agency).
Vitamins, Brazil (CJ-2).

Product Sales Managers for Diamond Alkali

J. C. McKenna (left) for the past six months manager of chromium chemicals sales for Diamond Alkali Company, Cleveland, has been appointed manager of alkali sales, and has been succeeded in his former post by Charles E. Grant, assistant to the president of Diamond's subsidiary, Martin Dennis Company, chrome chemicals manufacturer, Newark, N. J. Mr. McKenna succeeds J. D. Mattern who retired last month.

Minnesota Mining Makes Fluorcarbon Compounds

The new products division of the Minnesota Mining & Manufacturing Company, St. Paul, Minn., has announced the completion of a pilot plant for electrochemical production of fluorocarbon compounds. The plant is designed to produce a variety of completely fluorinated organic compounds without utilizing elementary fluorine at any stage of the process. Materials are fluorinated completely in a single step with no partly fluorinated intermediates. This process is expected to result in the production of fluorocarbons ranging from simple gases to high-boiling liquids and at a cost low enough to permit extensive use of these materials in industry.

Atlas Promotes Gottschall

R. K. Gottschall, formerly sales director of the explosives department of Atlas Powder Company, Wilmington, Del., has been appointed assistant general manager of the department. W. E. Collins, jr., formerly manager of the Seattle sales district, succeeds Mr. Gottschall as sales director.

Goodrich Chemical Has New Polyacrylic Ester

The manufacture of 'Lactoprene EV,' a modified polyacrylic ester, is announced by B. F. Goodrich Chemical Company, Cleveland. This material is an experimental product developed by the eastern regional research laboratories of the Department of Agriculture. To be redesignated as 'Polyacrylic Ester EV,' it will complement other nitrile and polyacrylic ester type rubbers, now being manufactured by Goodrich chemical. At present it is available in pilot plant quantities only.

Ralston Purina Building Soybean Solvent Plant

Blaw-Knox Company, Pittsburgh, has received a contract from the Ralston Purina Company for the construction of a new 200-tons-per-day soybean solvent extraction plant at Bloomington, Ill. The project is an exact duplicate of the Ralston Purina plant soon to be erected by Blaw-Knox at Iowa Falls, Iowa. Both plants are scheduled to be in operation in time to process the 1949 crop.

Washington Talks It Over

By Ralph L. Cherry

Priority and preference buying of war-surplus personal property by Federal agencies, veterans, State and local governments and their instrumentalities, and nonprofit health and educational institutions is no more. The right to move in first on the government's surpluses of all but real property came to an end September 1. The $400,000,000 worth of residual personal property is now available to all comers on an equal basis. The ending of the priorities and preferences was in compliance with the last June orders of Congress and will speed up the program of liquidating the War Assets Administration by the end of the year in accordance with scheduled plans.

While the priorities program did not make for the most efficient disposal of surplus property from a standpoint of speed and cash return to the government, its returns in public benefits are immeasurable and will be felt for many years. Thousands of veterans, returning from the war to set up a small business or a professional or agricultural enterprise were able to buy more than a billion dollars' worth of property. Schools, elementary to university, overburdened after the war with an unprecedented demand for education, were given the opportunity to obtain more than $500,000,000 worth of property, much at discounts ranging from 40 percent to 95 percent. Public health institutions got millions of dollars' worth of surplus hospital equipment.

While Federal agencies will no longer enjoy a priority, they still will have an opportunity to pick up what they need before it goes on public sale. Federal agencies will be allowed to screen WAA inventories and obtain transfers of needed personal property prior to public offering.

Labor-Management Collaboration

The labor-management committees which flourished throughout industry during the war have largely gone by the boards now that the patriotic incentive for their existence is no more. At one time there were over 5,000 such committees, of which about 3,200 were in effective operation. They are now only a couple of hundred.

The wartime joint committees were formed throughout the country "for the improvement of production and the achievement of more harmonious relations between management and workers" in 1942, at the urgent request of the War Production Board, as an aspect of its intensive "raise-production-level" drive. The Bureau of Labor Statistics early this year surveyed about 3,000 of the plants and got "usable information" from 944 establishments. It showed that only 287 committees were still functioning.

It was evident by the results of the survey that many of the committees were organized simply as a "gesture of compliance" with WPB, says the bureau, or to cope with such characteristically wartime problems as bond drives, rationing, and share-the-ride programs. Most of the committees no longer in existence were discontinued because of "end of war," with only a few listing "lack of interest" or "ineffectiveness" as reasons for their dissolution.

Basing-Point Ban Bewailed

At least one important labor organization has gone on record as strongly opposed to the supreme court decision in the cement case. This is the United Cement, Lime and Gypsum Workers International Union (AFL) whose president predicts that the decision is going to lead to "ghost towns" in what otherwise were small cement production areas.

He makes the point also that the decision, instead of being in the interest of

—*Continued on page 40*

Canada's Titanium Ore For US Oxide Market

Estimated output from treatment of 550,000 tons of ilmenite ore from the newly discovered deposits in Quebec, Canada, will be approximately 250,000 long tons of titanium oxide slag and 175,000 long tons of high grade iron annually, according to "The Northern Miner," Toronto, Canada. The publication reports that estimated value of the output of titanium oxide slag already contracted to be exported to United States markets is between $5,000,000 and $10,000,000 annually.

Upwards of 125,000,000 tons of high grade, easily accesible titanium-bearing ilmenite ore, the largest known deposit of its kind in the world, has been outlined by diamond drilling at Tio Lake, in the Allard Lake area of the Lower Romaine Valley of Quebec.

As reported in the August 23 issue of OPD, the find is being exploited by Kenneo Explorations Ltd., two-thirds of which is owned by Kennecott Copper Corporation and the remainder by the New Jersey Zinc Company.

Smelter Planned at Sorel

Hinging on the results of metallurgical research on the ores, Kennecott and New Jersey Zinc will proceed immediately with the establishment of a 1,500 ton ilmenite smelter at Sorel, Quebec, midway between Three Rivers and Montreal, on the south shore of the St. Lawrence, according to "The Northern Miner."

The Canadian publication says that primary requirements for the smelting process will be 100,000 horse power electrical energy which will be supplied by Shawinigan Falls. Railway and ore dock Construction are expected to commence this fall. The task of designing the new plant, largest of its kind in the world, has been started.

Estimated initial capital expenditure involved in developing the Petit Pas deposit on Tio Lake; building twenty-eight

—*Continued on page 76*

Reynolds Succeeded by Son As Metals Firm President

R. S. Reynolds Jr. has been elected president of the Reynolds Metals Company, Richmond, Va., to succeed his father, R. S. Reynolds Sr., who is now chairman of the board of directors. The changes were effected at a board meeting in Louisville, Ky., last Tuesday.

M. M. Caskie, a vice-president and director, was elected executive vice-president, and the younger Reynolds was succeeded as treasurer by Calvin Coghill, formerly assistant treasurer. Kenneth Mann, executive vice-president of Tuscon Steel Company, has joined Reynolds as manufacturing vice-president.

R. S. Reynolds Jr. joined the firm in 1938 as assistant to the president and was elected a vice-president in 1944. Mr. Caskie, prior to joining Reynolds in 1940, was chairman of the Interstate Commerce Commission. Mr. Coghill became associated with the firm in 1939, was named assistant controller in 1943 and assistant treasurer a year later.

Jefferson Lake Sulphur Plans to Quit Louisiana

Directors of the Jefferson Lake Sulphur Company, New Orleans, have recommended to stockholders to "reincorporate the company and remove its domicile out of the State of Louisiana." In a letter to stockholders, Eugene H. Walet, jr., president, said the action was prompted for the following two basic reasons:—

1. As a Louisiana Corporation, the company is required to pay income taxes on total income, franchise taxes and other taxes to Louisiana even though all company operations are conducted and 99½ percent of total income is derived from outside the state.

2. The failure of Louisiana to pay the $897,465 judgment awarded the company against the state.

Dry Lakes Chemical Starts Soda Ash Output in Calif.

The newly formed Dry Lakes Chemical Corporation, Cartago, Calif., has started operations in the manufacture of natural soda ash on the site of the old California Alkali Company at Owen's Lake, Calif. Approximately 120 tons per day will be produced under the opening schedule. The company's sales office is located at 1130 Loew's State building, Los Angeles.

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Packing; Double Bags - - - - Net Weight 112 lbs.
Barrels - - - - - - - - Net Weight 224 lbs.

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For Your Protection . . . You NEED a Second Source of Supply!

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Packing: Fibre Drums - - - - Net Weight 50 lbs.

MONOCALCIUM PHOSPHATE

Available in carload quantities direct from our plant. Less carload shipments from our warehouse, Jersey City, N. J.

Packing: 5 Ply Moisture Proof Paper Bags
Net Weight 100 lbs.

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Less Carload Lots from Our Warehouse, Jersey City, N.J.

Packing: 6½ gal. Carboys - - - - Net Weight 95 lbs.
13 gal. Carboys - - - - Net Weight 180 lbs.

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Benzylmethyldiorthocyclohexylpheryl Phosphite

Chemical—Starting point (U.S. 2250049) in making the thiophosphate by condensing with sulphur.

Butyl Sulpho-N-dipropylamide

Adhesives—Plasticizer (Brit. 520162) in adhesive compositions containing cellulose esters or ethers.

Ceramic—Plasticizer (Brit. 520162) in compositions, containing cellulose esters or ethers, used as coatings for protecting and decorating ceramic articles.

Chemical—Solvent and plasticizer (Brit. 520162) for cellulose esters and ethers.

Cosmetic—Plasticizer (Brit. 520162) in nail enamels and lacquers containing cellulose esters or ethers as base material.

Electrical—Plasticizer (Brit. 520162) in insulating compositions, containing cellulose esters or ethers, used for covering wire and in making electrical machinery and equipment.

Glass—Plasticizer (Brit. 520162) in compositions, containing cellulose esters or ethers, used in the manufacture of nonscatterable glass and as coatings for decorating and protecting glassware.

Leather—Plasticizer (Brit. 520162) in compositions, containing cellulose esters or ethers, used in the manufacture of artificial leathers and as coatings for decorating and protecting leathers and leather goods.

Metal-Fabricating — Plasticizer (Brit. 520162) in compositions, containing cellulose esters or ethers, used as coatings for protecting and decorating metallic articles.

Miscellaneous—Plasticizer (Brit. 520162) in coating compositions, containing cellulose esters or ethers, used for protecting and decorating articles of various kinds.

Paint, Varnish, and Lacquer—Plasticizer (Brit. 520162) in paints, varnishes, lacquers, enamels, and dopes containing cellulose esters or ethers.

Paper—Plasticizer (Brit. 520162) in compositions, containing cellulose esters or ethers, used in the manufacture of coated papers and as coatings for decorating and protecting articles made of paper or pulp.

Photographic—Plasticizer (Brit. 520162) in making films from cellulose esters or ethers.

Plastics—Plasticizer (Brit. 520162) in making laminated fiber articles.

Resin—Plasticizer (Brit. 520162) in making artificial resins from or containing cellulose esters or ethers.

Rubber — Plasticizer (Brit. 520162) in compositions, containing cellulose esters or ethers, used as coatings for protecting and decorating rubber goods.

Stone—Plasticizer (Brit. 520162) in compositions, containing cellulose esters or ethers, used as coatings for decorating and protecting artificial and natural stone.

Textile—Plasticizer (Brit. 520162) in compositions, containing cellulose esters or ethers, used in the manufacture of coated fabrics.

Wood—Plasticizer (Brit. 520162) in compositions, containing cellulose esters or ethers, used as protective and decorative coatings on woodwork.

Calcium Borogluconate

Pharmaceutical—In compounding and dispensing practice (reputed useful as source of therapeutic calcium).

Veterinary Practice—Reputed useful in treating milk fever.

Carbonyl Chloride
(Phosgene)

(Additional uses, supplementary to information in the book, Uses and Applications of Chemicals and Related Materials)

Chemical—Chlorinating agent in organic syntheses.

Reactant in making acid chlorides and anhydrides with organic acids; acid chlorides or aryl ketones in Friedel-Crafts syntheses; anhydrous chlorides with metallic oxides and sulphides.

Starting point in making carbonates and chloroformates with alcohols; chloramides, isocyanates, and substituted ureas with amines.

Ewing Outlines U.S. Public Health Goals

Nine basic goals for the improvement of the nation's health over the period of the next ten years were outlined September 2 by Federal Security Administrator Oscar R. Ewing in a report to President Truman on the National Health Assembly held here last May.

Mr. Ewing estimated that by 1960 the state and local governments should be spending an estimated $1,795,000,000 on public health, and the Federal government an estimated $2,313,000,000, which is approximately twice the present outlay of Federal funds. He said that at the rate that new hospitals alone are being constructed now it will be 1986 before even the 1946 needs have been met.

He proposed that Federal subsidies be used to step up the supply of health personnel and facilities because medical schools today are "crippled by lack of finances." Public funds, he said, are the only source of income sufficient to expand the schools to the degree necessary to meet requirements. At the outset, it was estimated, medical schools would probably require $40,000,000 from the Federal government, in addition to all foreseeable contributions from state and private sources.

A second major proposal in the report is for a system of health insurance. Mr. Ewing said that voluntary insurance plans cannot do the job that has to be done and, under the circumstances, there are only two alternatives:—a method of prepaid government health insurance that can be tailored to meet the nation's needs, or continue as in the past.

Among the proposals was one to increase our investment in medical and related research as rapidly as scientists can be trained. By 1960, Federal non-military research should reach a total of $30,000,000 to $100,000,000 if enough qualified scientists are available, he said.

Atomic Energy Conference Set by U.S., Canada, U.K.

In the interest of continued uniform application of measures for security of atomic energy information, representatives of the atomic energy agencies of Canada, the United Kingdom, and the United States will hold their second meeting September 6-8 at the British Atomic Energy Research Establishment, Harweli, Didcot, Berks, England.

The three nations now use uniform declassification guides in determining what information rising from their atomic energy research and developmental work may be published and what information is to be classified and restricted in circulation. These guides were developed at the first meeting of the representatives of the three governments November 14-16, 1947, in Washington, D. C.

At the forthcoming second meeting, the guides will be reviewed in the light of technical developments of the past ten months. The purpose of the review is to assist in maintaining maximum security of information shared by the participating

—*Continued on page* 46

Mathieson Vice-President

Dr. D. P. Morgan, who joined Mathieson Chemical Corporation, New York, last May as administrator of chemical research and of development and market research, has been elected vice-president in charge of development. Wartime director of the chemicals bureau of the War Production Board, Dr. Morgan was associated with W. R. Grace & Co. before joining Mathieson.

Perfumers Society Meeting Scheduled for September 15

The first regular monthly dinner meeting of the American Society of Perfumers for the year 1948-49 will be held at the Advertising Club, 23 Park avenue, New York, at 6 p.m. on September 15. Dr. Ernest Guenther, vice-president and chief chemist for Fritzsche Brothers, Inc., New York, will speak on "Essential Oil Production in Africa."

Dr. Guenther's talk will be accompanied by colored motion pictures portraying the methods of production of oils of thyme and origanum in Morocco, oil of manwa in Kenya Colony, oil of cloves in Zanzibar and Madagascar, oil of ylang ylang in Nossi Be, and oils of vetiver and geranium on Reunion Island.

Perfumery, Cosmetic Courses Planned at Columbia Univ.

A group of courses in perfumery and cosmetics, designed primarily to reach those employed in the manufacture of these products, will be given at Columbia University College of Pharmacy during the coming year.

A course in the manufacture of cosmetics and toilet preparations will be given by Prof. Horace M. Carter and will cover the theory and applied laboratory procedures in the preparation of recognized types of modern cosmetics.

The winter session will be devoted to the theoretical consideration of the systems of weights and measures, specific gravity, the physical constants of matter, solution, percentage, alligation, pH, et-

—*Continued on page* 69

Chemurgic Council Studies Farm Crops

Special studies of five farm crops which are becoming increasingly used for industrial raw materials have been authorized by the National Farm Chemurgic Council for presentation at its fourteenth national conference to be held March 30 through April 1, 1949, in Memphis, Tenn. The reports will be made on cotton, peanuts, soybeans, sweet potatoes, and trees.

Possibilities for new crop uses such as okra seed and castor beans for oils, and ramie for textile fibers and cattle feed, as well as advances in sugar cane utilization, tung oil production, and other agro-industrial topics will also be featured on the conference program.

Members of the National Cotton Council of America and representatives of several other farm associations will be special guests at the meeting.

Announcing the arrangements for the conference, Wheeler McMillen, president of the council, said the decision to meet in Memphis was made "because of the tremendous chemurgic progress achieved in southern states in recent years."

Mr. McMillen referred to such chemurgic examples as the use of cellulose from cotton and wood for the manufacture of textile fibers, cottonseed hulls for plastics, cottonseed and soybean oils for paint, resin from tree stumps for plastics, and the prospective use of peanut protein for other fibers.

"Chemurgic utilization of farm crops is on the increase in all of the agricultural areas of the nation, but nowhere are the strides more rapid than in the south," he said.

Cresylic Acid Reported In Very Short Supply

Cresylic acid is now finding so many new uses in industry that a critical shortage of the compound has developed, according to a report presented Monday at the 114th national meeting of the American Chemical Society in Washington.

The shortage is so pronounced that petroleum chemicals are being utilized to supplement the cresylic acid obtained from coaltar, Dr. Sidney A. Savitt of the M. W. Kellogg Company, New York, and Dr. Robert S. Aries of the Polytechnic Institute of Brooklyn declared at a session of the society's paint, varnish, and plastics division. At present, they said, the petroleum industry produces about 30 percent of the entire cresylic acid output and is endeavoring to increase this volume.

"One of the biggest uses of cresylic acids," the paper said, "is in the plastics industry, whose output is expanding very rapidly. Of the billion pound production of finished plastics in this country, about a fifth use phenol, cresoles, cresylic acids and higher boiling phenols. Cresylic acids are especially useful in moldings, lamination, coatings of textiles, and adhesives.

"In addition to a domestic production of 26,000,000 pounds of cresylic acids, this

—*Continued on page* 43

Temple to Celebrate Opening Of Pharmacy School Building

A two-day celebration marking the formal opening of the new $1,750,000 building of the Temple University school of pharmacy will be held at Temple on September 30 and October 1. More than 1,000 alumni of the school and invited guests will participate at a general reunion of all graduating classes to be held at Philadelphia's Bellevue-Stratford hotel on the evening of September 30.

Among those who will take an active part in the program will be Dr. Edward C. Elliott, president-emeritus of Purdue University and chairman of the Pharmaceutical Survey; Dr. Ernest Little, president of the American Pharmaceutical Association; Dr. J. Lester Hayman, president of the American Association of Colleges of Pharmacy; Dr. Carson P. Frailey, secretary of the American Drug Manufacturers Association, and Dr. Andrew G. DuMez, secretary of the American Council on Pharmaceutical Education and vice-president of the Pharmaceutical Survey.

National Starch Names Caldwell Research Head

Dr. Carlyle G. Caldwell, a member of the research staff of National Starch Products, Inc., New York, since 1940, has been appointed research director by the company. He will continue to direct the development of "Amioca," a waxy corn starch, as well as the synthetic polymer and adhesive research program of the company and its National Adhesives Division.

Association Meeting Dates

Agricultural Insecticide and Fungicide Association, Essex and Sussex hotel, Spring Lake, N. J., September 7-9.

American Association of Textile Chemists and Colorists, Augusta, Ga., October 21-23.

American Chemical Society, national meeting, midwest session St. Louis, Mo., September 6-10; western session, Portland, Ore., September 13-17.

American Gas Association, Atlantic City, N. J., October 4-8.

American Institute of Chemical Engineers, midwest regional meeting, French Lick Springs hotel, French Lick Springs, Ind., September 15-17; annual meeting Pennsylvania hotel, New York, November 7-10.

American Mining Congress, San Francisco, September 20-25.

American Oil Chemists Society, Pennsylvania hotel, New York, November 15-18.

American Pharmaceutical Manufacturers Association, Waldorf-Astoria hotel, New York, December 6-8.

American Public Health Association, Boston, November 8-12.

American Society for Quality Control, Sherman hotel, Chicago, November 4-5.

American Soybean Association, Peabody hotel, Memphis, Tenn., September 13-15.

Association of Consulting Chemists and Chemical Engineers, Sheraton hotel, New York, October 26.

Boston Conference on Distribution, Statler hotel, Boston, Mass., October 25-26.

Drug, Chemical and Allied Trades Section of New York Board of Trade, Shawnee Inn, Shawnee, Pa., September 23-25.

Federal Wholesale Druggists Association, Haddon Hall, Atlantic City, N. J., October 6-8.

Federation of Paint and Varnish Production Clubs, Congress hotel, Chicago, November 4-6.

International Congress of Industrial Chemistry, Brussels, Belgium, September.

National Association of Insecticide and Disinfectant Manufacturers, New Yorker hotel, New York, December 6-7.

National Chemical Exposition, Coliseum, Chicago, October 12-16.

National Fertilizer Association, Atlanta-Biltmore hotel, Atlanta, November 15-17.

National Government Purchasing Agents Association, Philadelphia, October 18-20.

National Paint, Varnish and Lacquer Association, Congress hotel, Chicago, November 8-10.

National Petroleum Association, Traymore hotel, Atlantic City, N. J., September 15-17.

National Plastic Exhibition, Grand Central Palace, New York, September 27-October 1.

National Safety Council, safety congress and exposition, Chicago, October 18-22.

National Wholesale Druggists Association, Palmer House, Chicago, October, 18-20.

Packaging Institute, annual forum, Commodore hotel, New York, October 14-15.

Porcelain Enamel Institute, Urbana, Ill., October 13-15.

Synthetic Organic Chemical Manufacturers Association, fall luncheon meeting, Commodore hotel, New York, September 8; annual meeting, Commodore hotel, New York, December 8.

Tanners Council of America, Leather Show, Waldorf-Astoria hotel, New York, September 14-15.

LEAD SALTS

3 Baker SALES LEADERS

If you use Lead Salts in your manufacturing or processing—remember Baker is in a unique position to supply your needs. Here are three Baker Sales Leaders known for uniform quality.

LEAD NITRATE TECHNICAL

Baker's Lead Nitrate comes to you month after month in fine crystal form, chemically uniform and non-packing. The color is white. A special Baker process makes possible the exceptionally high purity in regard to iron.

LEAD ACETATE TECHNICAL

Baker's Lead Acetate Technical is available in five physical forms: crystal, small crystal, coarse powder, granular and powder. Sizes of large crystals are: 1" to 1½" on the average; small crystals are ½" and less. Baker's Lead Acetate is colorless and free-flowing. It is exceedingly low in Cl, NO_3, Fe and Cu.

LEAD PEROXIDE TECHNICAL assay 88½ to 90½%

Baker's Lead Peroxide Technical is a fine powder and very uniform in texture. The color is also exceptionally uniform being a light chocolate shade. Where a low water soluble material is required this product has wide appeal.

Samples and prices on any one or all three Lead Salts will be gladly forwarded upon request. Address your letter direct to J. T. BAKER CHEMICAL CO., *Executive Offices*, Phillipsburg, N. J.

Baker's Chemicals

C. P. ANALYZED • FINE • INDUSTRIAL

Current Market Quotations

Chemicals and Related Materials

September 3, 1948

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.

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A

Acacia (see Gum, arabic).
Acetaldehyde, 99%, dms., 55 gals., works lb. .11½- .12
5 and 10 gals., works lb. .12 - .16
tanks, works lb. .09½- .10½
Acetaldol (see Aldol).
Acetamide, CP, fib, dms lb. .65 - .75
tech., fib. dms lb. .38 - .43
Acetanilide, tech., bbls., c.l. lb. .22 - —
l.c.l. lb. .23 - .26
kgs. lb. .28 - —
USP, bbls., 2,000-lb. lots lb. .40 - .50
smaller lots lb. .41 - .56
Acetic anhydride, dms., c.l., frt. alld. E lb. .13½- —
l.c.l., frt. alld. E lb. .15 - —
tanks frt. alld. E lb. .12 - —
Acetoacetanilide, bbls., works lb. .67½- —
fib. dms., works lb. .63 - —
Acetoacetorthotoluidide, bbls., works lb. .90 - —
fib. dms., works lb. .69 - —
Acetoacetorthochloranilide, bbls., works lb. 1.15 - —
fib. dms., works lb. 1.15 - —
Acetone, CP, dms., c.l., dlvd lb. .10 - —
l.c.l. divd. lb. .11 - —
tanks, dlvd. lb. .08½- —
Methyl (see M).
Acetonitrile, dms., c.l., works lb. .45 - —
l.c.l., works lb. .50 - —
smaller containers, works lb. .55 - .60
Acetophenetidin, USP, bbls., works, frt. equald lb. 1.10 - 1.20
Acetophenone, cns., dms lb. 1.50 - 1.85
Acetyl chloride, cbys., works lb. .55 - .60
Acetyltributyl citrate, dms lb. .43 - .45
smaller pkgs lb. .48 - .54
Acetyltriethyl citrate, dms lb. .36 - .38
smaller pkgs lb. .41 - .47
Acid, abietic, dms., c.l., works lb. .07½- —
Acetic, com'l or redist., 28%, bbls 100 lbs. 3.78 - 4.08
50%, bbls 100 lbs. 7.56 - 7.81
70%, bbls 100 lbs. 9.45 - 9.70
80%, bbls 100 lbs.10.80 -11.05
glacial, synthetic, CP, dms., works 100 lbs.13.50 -14.00
USP, dms., works 100 lbs.11.50 -12.00
tech., dms., c.l., works 100 lbs.10.07 -11.00
tanks, works 100 lbs. 8.10 - 8.62

Acetic acid price ranges above are c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride above).
Acetylsalicylic, USP, special, bbls., makers, primary distrib., point of ship't, 100-lb. lots lb. .50 - —
smaller lots lb. .51 - .64
standard, fine, cryst., gran., (30-40 mesh) powd. (80 mesh), bbls., same basis, lb. .45 - .50

Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 - 1.75
Anthranilic, resub., bbls lb. 2.10 - —
tech., bbls. lb. 1.05 - 1.10
Arsenous, tech. (see Arsenic, white).
USP, powd., dms., kgs lb. .20 - .22
Ascorbic, USP, dms., 500-kilo lots. kilo.24.50 - —
25-50 kilo lots kilo.25.00 - —
10-kilo lots kilo.25.35 - —
5-kilo lots kilo.25.70 - —
bots., kilo lots kilo.26.41 - —
500 grams kilo.27.47 - —
Battery, cbys., c.l., E. works. 100 lbs. 1.60 - 1.75
l.c.l., E. works 100 lbs. 2.05 - 2.75
Benzoic, tech., bbls., 4,000 lbs. or more lb. .43 - —
1,000 to 3,900 lbs lb. .44 - —
900 lbs. or less lb. .47 - —
USP, bbls., 4,000 lbs. up lb. .54 - —
1,000 to 3,900 lbs. lb. .55 - —
900 lbs. or less lb. .58 - .59
dms., 4,000 lbs. up lb. .55 - .56
1,000 to 3,900 lbs lb. .56 - .57
900 lbs. or less lb. .58 - .59
Betaoxynaphthoic, bbls., works lb. 1.25 - 1.43
Boric, tech., 99.5%, cryst., paper bgs., c.l., frt. split ton.124.00 - —
ton lots, ex whse ton.148.00 - —
less than ton lots, ex whse ton.153.00 - —
powd., paper bgs., c.l., frt. split ton.104.00 - —
ton lots, ex whse., N. Y. or Chi ton.128.00 - —
less ton lots, same basis ton.133.00 - —
bbls., c.l., frt. split ton.124.00 - —
ton lots, ex whse., N. Y. or Chi ton.148.00 - —
less car lots, same basis. ton.153.00 - —
gran., bulk ton.95.50 - —
paper bgs., c.l., frt. split ton.99.00 - —
ton lots, ex whse., N. Y. or Chi ton.123.00 - —
less ton lots, same basis. ton.128.00 - —
bbls., c.l., frt. split ton.119.00 - —
ton lots, ex whse., N. Y. or Chi ton.143.00 - —
less ton lots, same basis ton.148.00 - —
USP $25 per ton higher.
Broener's, bbls. lb. 1.34 - —
Butyric, 99%, dms., c.l., works. lb. .34 - —
l.c.l., works lb. .35 - —
tankcars, works lb. .33 - —
Acid cacodylic, bots. lb.12.00 -13.00
Camphoric, natural, dms lb. 6.00 - 6.75
synth., dms. lb. 5.50 - 6.00
Capric, tech., dms lb. .50 - .50½
Caprylic, 99%, dms lb. .50 - .50½
Castor oil, split, dms lb. .35¾- .36¾
Chlorosulphonic, dms., c.l., works. lb. .03 - —
l.c.l., works lb. .03½- .04½
tanks, works lb. .02½- —
Chromic, 99½-99¾%, dms., c.l. works. lb. .23½- —
l.c.l., works lb. .24 - .25
Cinnamic, recd., bots lb. 3.00 - 4.00
Citric, anhyd., gran., fine gran., dms., c.l. lb. .27 - —
10,000 lbs., 1 ship't lb. .27½- —
kgs. lb. .28½- —

Anhydrous citric acid powder, ½c. per lb. higher.

USP, cryst., bbls., c.l lb. .27½- —
10,000 lbs., 1 ship't lb. .28 - —
smaller lots lb. .28½- —
kgs. lb. .29½- —
gran., fine gran., bbls., c.l lb. .24½- —
10,000 lbs., 1 ship't lb. .25 - —
smaller lots lb. .25½- —
kgs. lb. .26½- —
USP citric acid powder ½c. per lb. higher.
Cleve's, mixed, bbls lb. .61 - .65
Coconut oil, dist., dms. lb. .30¼- .31¼
Corn oil, s.d., dms lb. .16½ Nom.
Cottonseed oil, dist., dms. lb. .16¼- .17¼
Cresylic, dom., coaltar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works and frt. equald gal. 1.61 - —
l.c.l., same basis gal. 1.64 - —
tanks, same basis gal. 1.55 - —
Petroleum, 185°C to 205°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. 1.005 - —
l.c.l., same basis gal. 1.025 - 1.045
tanks, same basis gal. .925 - —
190°C to 220°C non-ret., dms., c.l., San Francisco and Los Angeles gal. .93 - —
l.c.l., same basis gal. .95 - .97
tanks, same basis gal. .85 - —
210°C to 240°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .745 - —
l.c.l., same basis gal. .765 - .785
tanks, same basis gal. .665 - —
235°C to 271°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .62 - —
l.c.l., same basis gal. .72 - .74
tanks, same basis gal. .62 - —
Crotonic, bbls., Canadian, works. lb. .35 - —
Acid, dichlorophenoxyacetic, fib. dms., c.l., works, frt. equald lb. .75 - —
l.c.l., same basis lb. .83 - .90
Diethylbarbituric (see Barbital).
F, bbls., works lb. 1.73 - 1.78
Folic, bots gram. 2.00 - —
Formic, 85%, cbys., c.l., works lb. .13 - .13½
l.c.l., works lb. .14 - .15
90%, cbys., c.l., works lb. .13½- .14
l.c.l., works lb. .14½- .15
Fumaric, tech., bbls., dms lb. .30 - .31
Gallic, NF V, bbls., 1,000-lb. lots lb. 1.60 - —
smaller lots lb. 1.63 - 1.65
technical, bbls., 1,000-lb. lots lb. 1.43 - —
smaller lots lb. 1.46 - 1.48
Gamma, bbls lb. 1.13 - 1.20
Gluconic, tech., 50%, bots lb. .23 - .31
dms. lb. .14 - —
kgs. lb. .16 - —
Glutamic-l, 99%, fiber dms., 100 lb. lots, works lb. 2.30 - 2.40
25 lb. lots lb. 2.45 - —
Glycolic (see Acid, hydroxyacetic).
H, 100% basis, bbls., works lb. .66 - —
Hydriodic, 45-47%, cbys lb. 2.32 - 2.54
57%, cbys lb. 2.83 - 2.85
Hydrobromic, medicinal, 48%, cbys., dlvd. E lb. .48 - —
tech., 48%, cbys., dlvd. E lb. .45 - —
34%, cbys., dlvd. E lb. .35 - .37
Hydrochloric (see Acid, muriatic).
Hydrocyanic, cyls., works lb. .80 - 1.00
dilute, NF, 2%, 5-lb. bots lb. .30 - .40
Hydrofluoric, anhyd., cyls., works lb. .19 - .19½
tanks, works lb. .16½- —
30%, steel dms., works lb. .09 - —
70%, steel dms., works lb. .15¾- .16¼
Hydrofluosilicic, 30-35%, bbls lb. .08 - .09
Hydroxyacetic, tech., 70%, bbls., non-return., Phila lb. .084 - —
tanks, Belle, W. Va., 100% basis lb. .085 - —
Hypophosphorous, USP, djns lb. .75 - .77
J, bbls., works, 20% basis lb. 2.64 - 2.66
L, bbls., works lb. .80 - .95
Lactic, edible, 50%, bbls., 20 or more lb. .16 - .18
smaller lots lb. .17 - .19
80%, bbls., 5 or less lb. .29 - .29½
plastic grade, 50%, bbls., 20 or more lb. .19¾- —
10 or less lb. .20¾- —
80%, bbls., 5 or less lb. .3495- .3545
tech., 22%, bbls., c.l., works 100 lbs. 5.80 - —
l.c.l., works 100 lbs. 6.20 - —
cbys., works 100 lbs. 6.70 - —
44%, bbls., c.l., works 100 lbs.10.95 - —
l.c.l., bbls., works 100 lbs.11.35 - —
cbys., works 100 lbs.11.85 - —
NF, 85%, cbys lb. .69 - .72
Acid, Laurent's bbls. lb. .80 - —
Lauric, dist., 85-90%, dms lb. .40 - .40½
60%, dms lb. .35 - .35½
Linseed oil, reg. dist., dms lb. .3200- .3250
water white, dms lb. .3500- .3550
Maleic, powd., dms lb. .30 - .31
Anhydride (see M).
Malic, dms. lb. .47 - —
Mandelic, NF, dms., 1,000-lb. lots. lb. 1.85 - —
smaller lots lb. 1.90 - 2.10
Mixed, tanks, nitric unit lb. .05 - .06
sulphuric unit lb. .0085- .009
Molybdic, kgs., works lb. .95 - 1.10
Monochloroacetic, purified, flake, 99%, dms lb. .23½- .24¼
tech., flake, 96-97%, bbls lb. .19 - .21
Monosulphonic, bbls lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works 100 lbs. 1.65 - —
l.c.l., E. works 100 lbs. 2.05 - 2.75
tanks, E. works ton.18.00 -18.20
20°, cbys., c.l., E. works 100 lbs. 1.90 - —
tanks, E. works ton.19.00 - —
22°, cbys., c.l., E. works 100 lbs. 2.45 - —
tanks, E. works ton.24.00 - —
CP, USP, consumers, cbys., extra lb. .08 - —
6-lb. bots., extra lb. .10 - —
dealers, cbys., extra lb. .06½- —
6-lb. bots., extra lb. .08½- —
Myristic, dist., dms lb. .45 Nom.
Naphthenic, 220-230 acidity, dms., works lb. .15 - —
tanks, works lb. .12 - —
230-240 acidity, dms., works lb. .20 - —
tanks, works lb. .17 - —
Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)
Naphthol (1)-5-sulphonic see Acid, L).
Naphthol(1)-5-sulphonic,8-amino (see Acid, S).
Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).
Naphthol(2)-6,8-disulphonic (see Acid, Gamma)
(5)-7-Sulphonic,2-amino (see Acid, J).
Naphtholsulphonic, mixed (see Acid, Cleve's, mixed).
Naphthylamine(1)-5-sulphonic (see Acid, Laurent's).
(2)-6-sulphonic (see Acid, Broener's).
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).
Neville and Winther's, dms lb. .80 - .84
Nicotinic, USP, dms., works kilo. 8.00 - 8.30
Nicotinic amide (see Nicotinamide).
Nitric, 36° cbys., c.l., E. works 100 lbs. 5.00 - —
l.c.l., E. works 100 lbs. 5.40 - 6.10
38°, cbys., c.l., E. works 100 lbs. 5.50 - —
l.c.l., E. works 100 lbs. 5.90 - 6.65
40°, cbys., c.l., E. works 100 lbs. 6.00 - 6.50
l.c.l., E. works 100 lbs. 6.40 - 7.10
42°, cbys., c.l., E. works 100 lbs. 6.50 - 7.00
l.c.l., E. works 100 lbs. 6.90 - 7.60
CP, USP, consumers, cbys., extra lb. .13 - —
7-lb. bots., cs., extra lb. .15 - —
dealers, cbys., extra lb. .11½- —
7-lb. bots., cs., extra lb. .13½- —
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Orthocresolinic, dms, c.l., works lb. .67 - —
l.c.l. works lb. .69 - —
Oxalic, bbls., c.l., works lb. .13¾- .14¼
10,000 lbs., works lb. .14½- .15
smaller lots, works lb. .15 - .15¾
Palm oil, white, dist., dms lb. .21¼- .21¾
Para-aminobenzoic, purified, dms., works lb. 4.00 - —
works lb. 4.00 - Nom.
Paramethylphenylcinchonic (see Neocinchophen).
Paranitrobenzoic, cns. lb. .80 - —
Paratoluidinmetasulphonic, bbls., works lb. .92 - .95
Peanut oil, s.d., dms lb. .17½ Nom.
Perchloric, 60%, cbys., works lb. .58 - .62
70-72%, cbys., works lb. .61 - .66
Phenylacetic, bots lb. 1.51 - 1.75
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid, mandelic).
Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald 100 lbs. 4.50 - —
l.c.l., same basis 100 lbs. 5.25 - 6.00
cbys., c.l., works, frt. equald 100 lbs. 5.00 - —
l.c.l., works, frt. alld., 100 lbs. 6.00 - 7.50
75%, bbls., c.l., works, frt. equald 100 lbs. 5.75 - —
l.c.l. lb. .11½- .13
cbys., c.l., works, frt. equald 100 lbs. 6.10 - —
l.c.l., works, frt. alld. 100 lbs. 8.00 - 9.00
tanks, works, frt. equald 100 lbs. 4.00 - —
NF, 85%, cbys., c.l. lb. .10½- —
dilute, 10%, cbys., djns lb. .07 - .07½
Picramic, bgs. lb. .65 - .70
Picric, tech., bbls lb. .30 - .31
USP, bbls lb. .35 - .36
Propionic, nat., dms., works lb. .18 - —
tanks, works lb. .17 - —
synth., pure, dms., works lb. .22 - —
tanks, works lb. .21 - —
Pyrogallic, tech., bbls lb. No prices.
NF, cryst., dms lb. 2.95 - 3.18
resub., dms lb. 3.45 - 3.60
Pyroligneous, bbls., incl., l.c.l., ex whse gal. .43 - —
Ricinoleate (see Acid, castor oil, split).
S, bbls., works lb. 2.75 - 2.79
Salicylic, tech., bbls., c.l lb. .31 - —
smaller lots lb. .38 - —
USP, bbls., c.l lb. .40 - —
smaller lots lb. .47 - —
Sebacic, tech., dms., c.l., works. lb. .68 - —
l.c.l., works lb. .70 - .72

Abbreviations

Used in OPD Market Quotations

alld.	allowed	distr.	distributor	neut.	neutral.
ammo.	ammonia	djns.	demijohns	NF	National Formulary
amorph.	amorphous	dlvd.	delivered		
anhyd.	anhydrous	dms.	drums	nom.	nominal
a.p.a.	available phosphoric acid	dom.	domestic	No.	number
				ord.	ordinary
artif.	artificial	E.	east	oz.	ounce
ASTM.	American Society for Testing Materials	e.p.	end point		
		equald.	equalized	Pac.	Pacific
		F.	fahrenheit	pf.	proof
Be.	Baume	ferment.	fermentation	phos.	phosphate
bgs.	bags	ffa.	free fatty acid	photo.	photographic
bbls.	barrels	ffc.	free from chlorine	pkgs.	packages
bls.	bales			powd.	powdered
bots.	bottles	fib.	fiber	precip.	precipitated
b.p.	boiling point	f.o.b.	free on board	prod.	producer
b.p.l.	bone phosphate of lime	F.P.A.	free of prussic acid	pt.	point
		frt.	freight	pulv.	pulverized
b.r.	boiling range	fus.	fused	purif.	purified
bxs.	boxes	gal.	gallon	redist.	redistilled
C.	centigrade	gran.	granular	refd.	refined
cbys.	carboys	grd.	ground	refy.	refinery
CD	completely denatured	i.&a.	iron and aluminum	resub.	resublimed
				ret.	returnable
c.i.f.	cost, insurance, freight	i.b.p.	initial boiling point	SD	specially denatured
cks.	casks	imp.	imported	s.d.	single distilled
c.l.	car lots	incl.	included	S. E.	southeast
cns.	cans	indust.	industrial	secs.	seconds
com'l	commercial	kgs.	kegs	ship't	shipment
conc.	concentrated	lacq.	lacquer	solut.	solution
CP	chemically pure	lb.	pound	s.u.	standard unit
cps.	centipoises	l.c.l.	less than car lots	synth.	synthetic
cryst.	crystal	liq.	liquid	tech.	technical
cs.	cases	m.a.p.	mixed aniline point	USP	U. S. Pharmacopoia
ctns.	cartons	min.	minimum	vis.	viscosity
cyls.	cylinders	m.p.	melting point	VM&P	varnish makers & painters
dbl.	double	N.	nitrogen	W	west
denat.	denatured	nat.	natural	w.w.	water white
dest.-dist.	destructive-distilled			whse.	warehouse
dextro.	dextrorotatory				
dist.	distilled				

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material.

Acid, Soybean Oil—Aluminum Oxide

Acid, soybean oil, s.d., c.l., works lb. .17¼- .18¼
Stearic, double pressed, bgs lb. .27 - .28
single pressed, bgs lb. .26½- .27½
triple pressed, bgs lb. .29¾- .30¾
Succinic, bbls lb. .87 - .90
Sulphanilic, CP, bots., works lb. 1.60 - 1.63
tech., dms., works lb. .17 - —
Sulphuric, 60° Be, cbys., c.l., E. works 100 lbs. 1.40 - —
l.c.l., E. works 100 lbs. 1.80 - 2.50
tanks, E. works ton.12.25 - —
66° Be, cbys., c.l., E. works 100 lbs. 1.65 - —
l.c.l., E. works 100 lbs. 2.05 - 2.75
tanks, E. works ton.15.00 - —
96% tanks, E. works ton.16.00 - —
CP, N.F., consumers cbys., extra lb. .08 - —
9-lb. bots., cs., extra lb. .10 - —
dealers, cbys., extra lb. .06½- —
9-lb. bots., cs., extra lb. .08½- —
fuming, 20%, tanks, E works. ton.18.00 - —
Tallow, dist., dms. lb. .18¼- .19¼
Tannic, tech., 60-62% dms. lb. .68 - .69
70-72% dms. lb. .80 - .85
75-76% dms. lb. .86 - .90
USP, fluffy, bbls., 1,000-lb. lots lb. 1.45 - —
smaller lots lb. 1.47 - 1.55
powder, bbls., 1,000-lb. lots lb. 1.35 - —
smaller lots lb. 1.30 - 1.50
Tartaric, USP, dom., bbls., 10,000 lbs., 1 ship't lb. .37½- —
smaller lots lb. .38 - —
100-lb. dms lb. .39 - —
small, dms lb. .41 - .43
Imported, kgs. lb. .27 - .27½

Acid, thioglycolic, refined, bbls., cbys., basis 100% lb. 1.95 - 2.00
tech., bbls., cbys., basis 100% lb. 1.40 - —
Tobias, bbls. lb. .65 - —
Trichloroacetic, bots. lb. 2.00 - 2.50
Toluenesulphonic, dms., works lb. .20 - —
Tungstic, tech., 100-lb. pkgs lb. 2.65 - —
Aconite leaves, bls. lb. .55 - .60
Root, bbls. lb. .75 - .80
Aconitine, amorph., mild, bots oz.72.25 -72.50
cryst., potent, bots oz.85.00 - —
Acrylonitrile, dms., c.l., works lb. .30½- —
l.c.l., works lb. .31 - .42
tanks, works lb. 29½- —
Adeps lanae (see Lanolin)
Adonis vernalis herb, bls lb. .35 - .40
Agar lb. 3.25 - 4.10
Agaric, white, bls lb. 1.75 - 1.80
Agrimony herb, bls lb. .35 - .40
Albumen (egg), edible, flake, bbls. lb. 2.70 - 2.80
powd., bbls. lb. 2.75 - 2.85
tech., cryst., bbls. lb. 1.48 - 1.60
Albumin, blood, dark (see Blood, dried, soluble)
light, dms., l.c.l. lb. .70 - .75
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd lb. .26½- —
l.c.l., dlvd. lb. .27½- —
tanks, dlvd. lb. .25 - —
Amyl, ex pentane, dms., c.l., frt. alld. E. of Miss lb. .18 - —
l.c.l., frt. alld. E. of Miss lb. .19 - —
tanks, frt. alld. E. of Miss lb. .17 - —
(see also Fusel oil, ref.)
Benzyl, cns lb. .72 - .80
dms. lb. .68 - .88

Alcohol, butyl, normal, ferment. Ill., Ind. prod., dms., c.l., frt. alld lb. .33 - —
l.c.l., frt. alld. E lb. .34 - —
tanks, frt. alld. E lb. .31½- —
tankwagon, frt. alld. E lb. .32 - —
other production, dms., c.l., frt. alld. E lb. .33 - —
l.c.l., frt. alld. E lb. .34 - —
tanks, frt. alld. E lb. .31½- —
synthetic, dms., c.l., frt. alld. E lb. .19 - —
l.c.l., frt. alld. E lb. .20 - —
tanks, frt. alld. E lb. .17½- —
Normal synthetic butyl alcohol prices in West .61c. per lb. higher
secondary, dms., c.l., dlvd lb. .12 - —
l.c.l., dlvd. lb. .12½- —
tanks, dlvd. lb. .10½- —
tertiary, dms., c.l. lb. .13½- —
l.c.l., dms. lb. .14 - —
tanks lb. .12 - —
Capryl, dms., c.l., works lb. .26 - —
l.c.l. works lb. .27 - —
tanks, works lb. .24½- —
Cetyl, dom., CP., fiber ctns., 1,000 lbs lb. 1.50 - —
smaller lots lb. 1.55 - —
Cinnamic, bois. lb. 2.80 - 3.55
Denatured, CD12, CD13, CD14, dms., dlvd. E. of Miss R gal. .86½- —
l.c.l., dlvd. E. of Miss. R. gal. .90½- .95½
tanks, dlvd. E. of Miss R. gal. .74½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., dlvd. dlvd. E. of Miss. R gal. .87 - —
l.c.l., same basis gal. .91 - .96
tanks, same basis gal. .75 - —

Alcohol, denatured, SD2B, dms., c.l., E. of Miss. R gal. .87 - —
l.c.l. same basis gal. .91 - .96
tanks, same basis gal. .75 - —
SD23H, dms., c.l., dlvd. E. of Miss. R gal. .85 - —
l.c.l., same basis gal. .89 - .94
tanks, same basis gal. .73 - —
SD29, denatured with acetaldehyde, dms., c.l., dlvd. E. of Miss. R gal. .88 - —
l.c.l., same basis gal. .92 - .97
tanks, same basis gal. .76 - —
When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those of SD21 plus 1½c. per gal. denaturing charge.
Special solvent, dms., c.l., dlvd. E. of Miss. R gal. .87½- —
l.c.l., same basis gal. .91½- .96½
tanks, same basis gal. .75½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone free, dms., c.l., dlvd lb. .13½- .14½
l.c.l., dlvd lb. .14 - .15½
tanks, dlvd lb. .12 - .13
tech., dms., c.l., dlvd lb. .14 - —
l.c.l., dlvd lb. .15 - —
tanks, dlvd lb. .12½- —
Ethyl, 190 pf, tax paid dms., c.l., dlvd. E. Miss. R gal. 17.97 - —
l.c.l., same basis gal. 18.01 -18.06
tanks, same basis gal. 17.85 - —
tax free, dms., c.l., dlvd. E. Miss. R gal. .87 - —
l.c.l., same basis gal. .91 - .96
tanks, same basis gal. .75 - —
absolute, tax paid, dms., c.l., same basis gal. 18.94 - —
l.c.l., same basis gal. 18.98 -19.03
tanks, same basis gal. 18.87 - —
Furfuryl, tech., cns., works lb. .30 - —
dms., c.l., works lb. .21½- —
l.c.l., works lb. .23 - —
tanks, works lb. .18 - —
Isoamyl (see Carbinol, Isobutyl).
Isobutyl, refd., dms., works lb. .13 - —
tanks, works lb. .12 - —
Isopropyl, refd., 91%, dms., incl., c.l., dlvd gal. .50½- —
l.c.l., dlvd. gal. .53½- —
tanks dlvd gal. .41 - —
99%, dms., incl., c.l., dlvd gal. .54½- —
l.c.l., dlvd gal. .57½- —
tanks, dlvd gal. .45 - —
Methyl (see Methanol).
Methylamyl (see Carbinol, methylisobutyl).
Octyl, perfumer's grade, bots. lb. 2.90 - —
Phenylethyl, cns. lb. 1.50 - 2.50
Polyvinyl, type A, fiber-pack, Niagara Falls lb. .65 - .70
type B, fiber-pack, same basis lb. .60 - .68
Propyl, normal, dms., c.l., works lb. .12½- —
l.c.l., works lb. .13 - —
tanks, works lb. .11 - —
Salicyl (see Saligenin).
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia lb. .47 - —
dms., c.l., Waverly, N. Y. lb. .40 - —
l.c.l., same basis lb. .44 - —
tanks, Niagara Falls, N. Y. lb. .36 - —
Aldol, 95%, dms., works lb. .15 - .16
denaturing grade, dms. gal. 1.33 - 1.48
Aletris root, bgs. lb. 1.60 - 1.65
Algin, bbls., fib. dms lb. .76 - 1.00
Alizarin (see Red, alizarin).
Alkanet root, bgs lb. .50 - .55
Allspice, Jamaica (see Pimento).
Mexican, bgs. lb. .14½- .15
Allyl bromide, cbys., 5,000 lbs., works lb. .99 - —
smaller lots, works lb. 1.05 - 1.10
Chloride, dms., c.l., dlvd lb. .16½- —
l.c.l., dlvd. lb. .17 - —
tanks, dlvd. lb. .15 - —
Aloe, Cape, cs lb. .30 - .31
Curacao, kgs. lb. .35 - .36
Socotrine, kgs lb. .35 - .36
Aloin, bbls., dms., kgs lb. 3.75 - 4.05
Alphacellulose, bgs., c.l., works lb. .04 - .15
Alphanaphthol, bbls. lb. .63 - .70
Alphanaphthylamine, bbls. lb. .38 - .38¾
Alphanaphthylthiourea, 93-98%, fib. dms., works, frt. alld lb. 4.00 - 4.40
Alphanitronaphthalene, bbls lb. .34 - —
Alphapicoline, ref. dms., works, frt. equald lb. .27½- .30
Alphapinene, tanks, South, works gal. .47 - —
Alphaterpineol, dms., l.c.l., dlvd. E. lb. .18 - —
Alphatocopherol, ampuls kilo.750.00 - —
Althea root, NF, peeled, bls lb. .30 - .35
Alum, ammonia, burnt, USP, bbls., lb. .16 - .18
gran., bbls., works 100 lbs. 3.50 - —
lump, bbls., works 100 lbs. 4.05 - —
powd., bbls., works 100 lbs. 4.20 - —
Potash, gran., bbls., works 100 lbs. 4.05 - —
lump, bbls., works 100 lbs. 4.25 - —
powd., bbls., works 100 lbs. 4.45 - —
Potash-chrome, bbls lb. .12½- .15
Soda, bbls., c.l., works 100 lbs. 3.25 - —
l.c.l., dlvd 100 lbs. 4.25 - 5.00
Alumina, calcined, bgs., c.l., works lb. .05½- —
l.c.l., works lb. .04⅝- .06¾
crystalline (see Aluminum oxide).
Aluminum acetate, basic solution, 24°, bbls., l.c.l., works lb. .11 - —
20°, bbls., l.c.l., works lb. .10 - —
Chloride, anhyd., com'l, dms., c.l., works lb. .12 - —
l.c.l., works lb. .12½- —
cryst., com'l, dms., c.l., works lb. .05 - —
l.c.l., works lb. .06½- .06¾
solution, 32°, cbys., c.l., works lb. .02⅝- —
l.c.l., works lb. .03¼- —
Fluoride, tech., anhyd., bbls., c.l., frt. equald lb. .10 - —
l.c.l., frt. alld lb. .11 - .13
Formate, basic solution, cks., c.l. lb. .09½- —
l.c.l., works lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald ton.52.00 -56.00
l.c.l., works ton.72.00 - —
light, bgs., dlvd lb. .17 - —
Hydroxide gel, tech., min. 13% $Al(OH)_3$, dms., 10,000 lbs. or more, f.o.b. ship't point lb. .03 - .03¼
ton lots, same basis lb. .03¼- .03½
smaller lots, same basis lb. .03¾- .04
14-15% Al_2O_3, fib. dms., works lb. .20½- —
contract, works lb. .19⅝- —
8-9⅝% Al_2O_3, fib. dms., works lb. .17⅞- —
contract, works lb. .16⅝- —
dried, USP XII, fib. dms., works lb. .73 - —
contract, works lb. .75 - —
powder, tech. (see Aluminum hydrate), USP IX, bbls., dms lb. .15 - .17
Laurate, precip., bbls lb. .42 - —
Linolenate, solid, bbls lb. .48 - —
Metal, 98-99%, ingots, 10,000 lbs. lb. .16 - —
pigs, 10,000 lbs lb. .15 - —
Naphthenate, liquid, dms., dlvd lb. .24½- —
Oleate, dms., contract lb. .43⅝- —
Oxide, amorphous (see Alumina, calcined).
crystalline, flour, classified, 8-249 mesh, dms., frt. alld lb. .14 - .15
kgs., ton, frt. alld lb. .12½- —
smaller lots, frt. alld lb. .13 - .15

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Aluminum Oxide—Barbital, Sodium

Aluminum oxide, crystalline, flour, 280-400 mesh, dms., frt. alld. lb. .32 - .33
kgs., frt. alld lb. .31 - —
500 mesh, dms., frt. alld lb. .35 - .37
kgs., frt. alld lb. .34 - —
600 mesh, dms., frt. alld lb. .51 - .53
kgs., frt. alld lb. .50 - —
optical, floated, kgs., dlvd. lb. .36 - .85
unclassified, dms., frt. alld. lb. .16 - .17
kgs., frt. alld lb. .15 - —
high-purity, alpha or gamma, ultrafine, dms., works lb. 13.50 - —
jars, works lb. 15.00 -17.00
Aluminum oxide flour prices W. of Denver ¾c. per lb. higher.

Paste, lining, extra fine, dms lb. .58 - —
standard, dms lb. .39½- —
Powder, lining, extra fine, dms lb. .96 - —
standard, dms lb. .64½- —
rubber comp., dms lb. .48½- —
unpolished, standard, dms lb. .44½- —
varnish, standard, dms lb. .49 - —
Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

Aluminum resinate, precip., dms lb. .20½- —
Stearate, dibasic, ctns., c.l lb. .41 - —
l.c.l. lb. .42 - —
monobasic, ctns., c.l lb. .41 - —
l.c.l. lb. .42 - —
tribasic, ctns., c.l lb. .46 - —
less than 1 ton lb. .47 - .48
Sulphate, com'l, bgs., c.l., works, equald 100 lbs. 1.50 - —
l.c.l., same basis 100 lbs. 1.90 - —
iron-free, bgs., c.l., works, frt. equald 100 lbs. 2.50 - —
l.c.l., works 100 lbs. 2.90 - —
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, fins oz. 8.50 -12.00
Aminoazotoluene, bbls lb. .85 - —
Aminomethylpropanol, ens., dms., works lb. .50 - .60
Aminomethylethanolamine, tanks, works lb. .60 - —
Aminophilline, bots, kgs lb. 9.00 - 9.50
Aminopyrine, bots., dms lb. 6.00 - 6.10
Ammonia, anhydrous, fertilizer, tanks, works ton. 68.00 -70.00
pure, cyls., extra lb. .16 - —
refrigeration, tanks, works, ton 70.50 -72.50
Aqua (29.4% NH₃), dms., c.l., works 100 lbs. 2.85 - 3.00
l.c.l., works 100 lbs. 3.25 - 3.50
tanks, works, anhyd. basis ton. 76.00 - —
Ammoniac gum (see Gum, ammoniac)
Sal, gray, bgs., c.l., works 100 lbs. 7.00 - —
l.c.l., works 100 lbs. 7.40 - —
white, gran., bgs., c.l., works 100 lbs. 4.75 - —
l.c.l., works 100 lbs. 5.45 - —

Ammonium acetate, purified, dms lb. .39 - .40
reagent, jars lb. .61 - .63
Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld lb. .80 - —
smaller lots, frt. alld lb. .81 - 1.08
Biborate, bbls., c.l., works ton. 320.00 - —
ton lots, works ton. 338.50 - —
less ton lots, works ton. 343.50 - —
Bicarbonate, dms., works, c.l lb. .064 - .0975
Bichromate, bbls., works lb. .26 - .30
Bifluoride, dms., frt. alld. E lb. .15½- .16¼
Bromide, gran., NF, bbls lb. .36 - .37
dms. lb. .37 - .40
powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, dms lb. .16½- .17
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, bbls., dms., kgs lb. .13 - .15
Citrate, dibasic, bbls lb. .75 - —
dms. lb. .80 - .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua).
Hypophosphite, NF, dms lb. 2.24 - —
Iodide, NF, jars lb. 3.90 - 3.96
Linoleate, plastic, 80%, dms., works lb. .40½- —
kgs., works lb. .42½- —
25%, dms., frt. alld. zone 1. lb. .21½- —
tech., bbls., works lb. .37 - —
dms., works lb. .39 - —
Molybdate, CP, cryst., kgs lb. 1.26 - 1.30
fine cryst., bbls., kgs lb. .84 - .87
purified, dms. lb. 1.10 - 1.12
Nitrate, fertilizer grade, Canadian, 33.5% N, bgs., c.l., shipping point ton. 79.50 - —
dom., bgs., western works, ton. 50.00 -52.50

Ammonium nitrate-dolomite, 20.5% N, bgs., Hopewell, Va. ton. 42.50 - —
Oleate, dms. lb. .36¾- —
Oxalate, fine gran., dms lb. .25 - —
tons, 100 lbs., lots lb. .27 - —
Pentaborate, gran., bbls., c.l., works ton. 230.00 - —
ton lots, works ton. 248.50 - —
less ton lots, works ton. 253.50 - —
Ammonia pentaborate powder, $10 per ton higher.
Perchlorate, kgs lb. .25 - —
Persulphate, kgs lb. .25½- .28¼
Phosphate, dibasic, NF V, bbls., kgs lb. .37 - .39
tech., bgs., c.l., works lb. .07 - —
l.c.l., works lb. .07¾- —
Salicylate, NF, dms., kgs lb. 1.25 - —
Silicofluoride, bbls., works lb. .12½- —
Stearate, anhydrous, dms lb. .34 - —
paste, dms lb. .06½- —
Sulphamate, bbls., dms., works lb. .18 - .20
Sulphate, bulk, producing ovens ton. 45.00 - —
Sulphide, liquid, 40-45% basis, 100's, dms., c.l., works, lb. .10 - —
l.c.l., works lb. .10½- —
tanks, dlvd. or frt. alld lb. .08½- —
Sulphocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate tech., bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .19
Thioglycolate, highly purified, 100% basis, bbls lb. 7.10 - 8.25
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd lb. .30½- —
l.c.l., dlvd. lb. .31½- —
tanks, dlvd. lb. .29 - —
ex pentane, dms., c.l., frt. alld, E. of Miss. R lb. .24 - —
l.c.l., same basis lb. .25 - —
tanks, same basis lb. .23 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms lb. .90 - 1.00
Chloride, mixed, tech., dms., c.l., works lb. .07 - —
l.c.l., works lb. .08 - —
tanks, works lb. .06 - —
Ether (see Ether, amyl).
Mercaptan, dms., works lb. 1.10 - —
Nitrite, USP, bots lb. 1.75 - 1.83
Salicylate, cns lb. .77 - 1.00
Anethol, com'l, dms., works lb. .50 - —
NF, dms lb. .60 - 1.10
Angelica root, dom., bls lb. .95 - 1.05
imported, bls lb. .96 - .98
Angostura bark, bls lb. .50 - .55
Anilin oil, dms., c.l., works, frt. alld lb. .15 - —
l.c.l., works, frt. alld lb. .16 - —
tanks, works, frt. alld lb. .14 - —
Salt, dms., works lb. .26 - —
Anise, Argentine, bgs lb. No stocks.
Chinese, star lb. .15½- .16
Cyprus, bgs lb. .20 - .20½
Mexican, bgs lb. .20 - .20½
Syrian, bgs., futures lb. .18½- .19
Anisic aldehyde, bots., cns lb. 2.20 - 3.35
dms. lb. 2.22 - 2.75
Annatto paste, bxs lb. .34 - .37
Seed, bgs lb. .19 - .20
Anthracene, 80-85%, bbls., works lb. .60 - .96
90%, bbls., works lb. .81 - 1.00
Anthraquinone, 99.5%, bbls lb. .80 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys lb. .17 - —
Metal, bulk, c.l., mines lb. .35 - .35½
Needle, cs lb. No stocks.
Antimony oxide, ceramic grade, bgs., c.l., dlvd lb. .31 - .32
l.c.l., dlvd lb. .32 - .33
paint grade, bgs., c.l., works lb. .33½- .34
l.c.l., works lb. .34½- .35
Salt, 65%, bgs., c.l., dlvd. E. of Miss lb. No stocks.
Sulphide, 65-70%, bbls., c.l., works, lb. .22 - —
l.c.l., works lb. .24 - —
Antimony-potassium tartrate (see Tartar emetic).
Antipyrine, bbls lb. 2.35 - 2.45
Apomorphine, bots oz. 23.20 -23.70
Archil extract, bbls lb. No stocks.
Areca nuts, powd., bbls lb. .22 - .25
Arecoline hydrobromide, bots oz. 6.10 - 7.10
Argols, min. 70%, bgs., shipment ports, per 100 kilos (100% purity) 18.00 -18.50
Arnica flowers, bbls lb. .60 - .65
Arrowroot, powd., bgs., bbls lb. .16 - .17
Arsenic, metal, lump, bbls., prompt shipt lb. .55 - —
Sulphide, yellow, bbls lb. No stocks.
Trioxide (see Acid, arsenous).
White, powd., bbls., c.l lb. .06¼- —
l.c.l. lb. .08 - .09
Asafetida, cs lb. .35 - .36
powd., bbls., dms lb. .50 - .53
Asbestine (see Talc, fibrous, N. Y.).
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Can. mines ton. 76.50 - —
5R, bgs., c.l. (20 tons), same basis ton. 68.50 - —
6D, bgs., c.l. (30 tons), same basis ton. 51.00 - —
7D, bgs., c.l. (30 tons), same basis ton. 46.50 - —
7F, bgs., c.l. (30 tons), same basis ton. 44.00 - —
7K, bgs., c.l. (30 tons), same basis ton. 31.00 - —
7M, bgs., c.l. (30 tons), same basis ton. 27.50 - —
7R, bgs., c.l. (30 tons), same basis ton. 26.50 - —
7RF, bgs., c.l., same basis ton. 27.00 - —
7T, bgs., c.l., same basis ton. 25.50 - —
7TF, bgs., c.l., same basis ton. 27.00 - —
Asphaltum, California, dms., c.l. ton. 36.40 - —
l.c.l. ton. 41.40 - —
Cuban, A, bulk, c.l. ton. 60.00 - —
l.c.l. ton. 90.00 - —
B, bulk, c.l. ton. 38.50 - —
l.c.l. ton. 55.00 - —
Gilsonite, brilliant black, selects 270°-295° F. fusing pt., bgs., f.o.b. Colo. mines ton. 36.50 - —
seconds, 300°-390° F. fusing point, not uniform, bgs., mines ton. 29.00 - —
jet, bgs., ton lots, gross weight, Colo. mines ton. 29.00 - —
Manjak, No. 10, crude, dms., works lb. .06½- —
process form, bgs., works lb. .05¾- .12
Mexican, rfd., dms., f.o.b. Tampico, metric ton. 27.50 - —
South American, rfd., dms., c.l., N. J. refy ton. 22.00 -23.00
l.c.l., same basis ton. 24.00 -25.00
tanks, same basis ton. 15.00 - —
Atropine, bots. oz. 13.50 -15.00
Sulphate, bots. oz. 10.35 -12.00

B

Balm of Gilead, buds, bgs lb. 2.00 - 2.25
Barbasco root (see Cube root).
Barberry root bark, bgs. lb. .78 - .80
Barbital, dms. lb. 4.50 - —
Sodium, dms. lb. 4.75 - —

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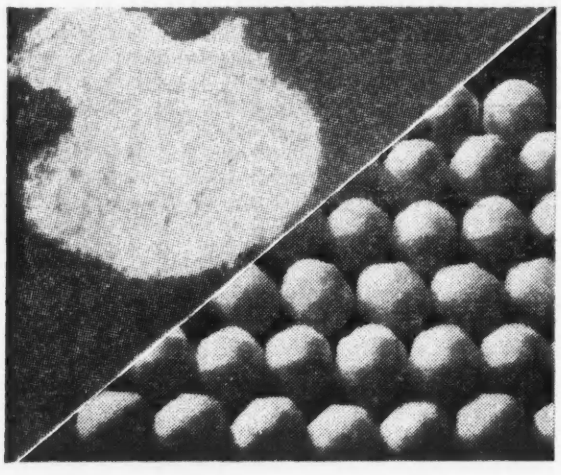
Sodium Silicofluoride—Na_2SiF_6—White, odorless, amorphous powder. Used in manufacture of porcelain enamels, ceramic glazes, opal glass, artificial marble; ingredient of insecticides; laundry souring agent. Above, as used in porcelain enamels for kitchen cabinets, refrigerators, etc.



Naphthalene—Isco Naphthalene is available in Prime White Chips, bags, or barrels; flakes and balls. Bbls. 200 lbs.; also can be supplied in small packages, cartons, etc.

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Barium carbonate, precip., bgs., 10 tons and up, works ton.72.50 -80.00
smaller lots, works ton.82.50 -90.00
Chlorate, kgs., works lb. .25½- .31
Chloride, NF, cryst., dms. lb. .17 - .18
pure, bbls., kgs. lb. .10 - .12
tech., bgs., c.l., works, frt. equald. ton.90.00 - —
l.c.l., works. ton.100.00 - —
Chromate, bgs., frt. equald lb. .31½- .32
Dioxide, dms., c.l., works lb. .12 - —
l.c.l., works lb. .12 - —
Fluoride, bbls. lb. .14 - —
Hydrate, crystals, bgs. lb. .09 - .09½
Hydroxide, anhyd., bbls., works lb. .19 - —
Iodide, bots. lb. 5.12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works lb. .11½- —
l.c.l., works lb. .13 - —
Oxide, grd., dms., works lb. .11 - .11½
l.c.l., works lb. .12½- .13½
Peroxide (see Dioxide).
Silicofluoride, bbls. lb. .17 - .19
Stearate, ctns., 1-ton up lb. .45 - —
smaller lots lb. .45 - —
Sulphate, tech. (see Barytes and Blanc fixe).
X-ray, bbls. lb. .11 - .13
Sulphide, dms., c.l., works ton.55.00 - —
l.c.l., works ton.70.00 - —
Baryte ore, approx. 94% BaSO4, bulk, mines ton. 9.40 -12.50
Barytes, water-grd., paper bgs., c.l., St. Louis ton.33.70 - —
l.c.l., same basis ton.35.10 - —
ex whse., N. Y. ton.46.25 - —
Southern off-color, bgs., mines ton.19.00 - —
95.73%, bgs., mines ton.20.00 - —
Barberry bark, bgs. lb. .12 - .13
Bay leaves (see Laurel leaves).
Belladonna leaf, bls. lb. 1.25 - 1.50
Root, bls. lb. .55 - .60
Bauxite, bulk, mines ton. 8.50 -10.00
Bentonite, 200 mesh, bgs., works ton.11.00 - —
Benzaldehyde, NF, dms. lb. .68 - .90
tech., cbys., dms. lb. .45 - .55
Benzene (see Benzol).
Hexachloride, tech., 11% gamma bgs., dms., c.l., works lb. .30¼- —
l.c.l., works lb. .32½- —
dust, dry, 50%, distributors, dms., c.l., dlvd lb. .21 - —
l.c.l., dlvd. lb. .22 - —
wet, 50%, distributors, dms., c.l., dlvd lb. .22 - —
l.c.l., dlvd. lb. .23 - —
Benzidin base, bbls. lb. .85 - —
Benzocaine, cns. lb. 3.50 - 3.65
Benzol (benzene), pure, nitration, tanks, works, Bethlehem, Pa., Dangerfield, Tex., Lackawanna, N. Y., Philadelphia, Pa., Sparrows Point, Md., St. Louis, Mo., Syracuse, N. Y., Wyandotte, Mich gal. .21 - —
Birmingham, Ala., Chicago district, Cleveland district, Johnstown, Pa., Minequa, Colo., Pittsburgh district, Terre Haute, Ind., Woodward, Ala., Youngstown, Ohio, gal. .20 - —
Benzophenone, dms. lb. 1.30 - 1.70
Benzoyl chloride, c.l., cbys lb. .20 - .28
l.c.l., works lb. .22½- —
Peroxide, pure, fib. ctns., works lb. .90 - 1.05
Benzyl acetate, f.f.c., dms. lb. .60 - 1.00
dms. lb. .60 - .70
Alcohol (see Alcohol, benzyl).
Benzoate, f.f.c., cns., dms. lb. 1.00 - 1.40
Chloride, tech., cbys., c.l., works, frt. equald lb. .19 - .21½
l.c.l., same basis lb. .20 - .22½
Cinnamate, cns. lb. 3.65 - 4.00
Formate, cns. lb. 1.95 - 3.50
Propionate, bots. lb. 1.65 - 2.50
Salicylate, bots. lb. 1.80 - 2.25
Benzylidinacetone, bots. lb. 1.85 - 2.70
Benzylisoeugenol, bots. lb. 9.50 - —
Berberine bisulphate, cns. lb. No stocks
Hydrochloride, bots. lb. No stocks
Sulphate, cns. lb. No stocks
Berberis root, bls. lb. .30 - .35
Betagammapicoline, dms., c.l., works. lb. .23½- —
l.c.l., works lb. .24 - —
Betanaphthol, resublimed, dms., works. lb. .75 - —
tech., bbls., c.l., works lb. .30 - —
l.c.l., works lb. .32 - —
Benzoate, fib. dms., works lb. 1.75 - —
Salicylate, dms. lb. 3.00 - —
Betanaphthylamine, tech., bbls., works lb. .62 - .70
Betapicolin, 90%, ref. dms., c.l., works lb. 1.35 - —
l.c.l., works lb. 1.70 - —
Beth root, bls. lb. .48 - .50
Biotin, cryst. gram.12.50 - —
Bismuth chloride, jars lb. 4.50 - —
Citrate, USP VIII, jars lb. 3.12 - —
Hydroxide, dms. lb. 3.95 - —
Metal, bss., ton lots lb. 2.00 - —
Nitrate, cryst., dms. lb. 1.70 - —
Oxychloride, dms. lb. 3.79 - —
Oxide, anhydrous, dms. lb. 4.40 - —
Subcarbonate, USP, dms. lb. 2.60 - 2.63
Subgallate, NF, fib. dms. lb. 2.45 - 2.48
Subiodide, fib. dms. lb. 4.90 - —
Subnitrate, USP, dms. lb. 2.15 - 2.18
Subsalicylate, USP, dms. lb. 3.05 - —
Sulphocarbonate, fib. dms. lb. 4.20 - —
Bismuth-ammonium citrate, USP, powd., dms lb. 3.80 - —
Black, acetylene, bgs., c.l., works lb. .13½- —
cs., l.c.l., shipt. point lb. .17 - .19
Bone, bgs., bbls., l.c.l., dlvd lb. .14⅝- .22⅜
Carload price ½c. per lb. less. Deliveries to the Pacific Coast, ex dock or whse., 1½c. per lb. higher.
Carbon, channel, beads, bulk, c.l., works lb. .07 - —
bgs., c.l., works lb. .07.32- —
l.c.l., dlvd. or whse. lb. .11¼- .117
uncompressed, regular, bgs., c.l., works lb. .08 - —
bgs., ctns., l.c.l., dlvd. or whse lb. .13¼- —
furnace, fast extruding, bgs., c.l., works lb. .05½- —
ctns., l.c.l., whse lb. .09½- —
high modulus, bgs., c.l., works. lb. .05 - —
ctns., l.c.l., whse lb. .09 - —
semi-reinforcing, bgs., c.l., works lb. .03½- —
ctns., l.c.l., whse lb. .07½- —
very fine, bgs., c.l., works lb. .07.32- —
l.c.l., dlvd. or whse lb. .1125- .1170
Charcoal (see C).
Graphite (see G).
Iron oxide, synthetic, bgs., c.l., works lb. .10¾- —
l.c.l., works lb. .11 - —
Lamp, bgs., c.l., works lb. .07 - .30
Mineral, bgs., works lb. .0160- .0675
Black ash (see Barium sulphide).
Blackberry root, bls. lb. .12 - .13
bark of root, bls. lb. .32 - .33
Black dyes (see Dyes).
Black haw, root bark, bls. lb. .75 - .80
Tree bark, bls lb. .28 - .30
Black Indian hemp root, bls. lb. .52 - .53
Blanc fixe, dry, by-product, bgs., c.l., works ton.75.00 - —
l.c.l., works ton.82.50 - —
direct process, bgs., c.l., works. ton.85.00 - —
l.c.l., works ton.90.60 - —
N. Y. whse. ton.105.00 - 120.00

Blanc fixe, dry, direct process, bbls., c.l., works ton.90.00 - —
l.c.l., works ton.95.00 - —
N. Y. whse. ton.113.00 - —
pulp, 66⅔%, bbls., c.l., works. ton.65.00 - —
l.c.l., same basis ton.71.00 - —
Bleaching powder, dms., c.l., works, 100 lbs. 4.25 - —
l.c.l., works 100 lbs. 4.75 - —
Blood, dried, 16-16½% ammo., bgs., unit-ton. 7.00 - —
high-grade, unground, 16-17% ammon, bulk, Chicago, unit-ton. 7.25 - —
soluble, bgs., c.l. lb. .17 - .19
l.c.l. lb. .18 - .25
Bloodroot, bls. lb. .65 - .70
Blue, alkali, dry, bbls., dlvd, N. of Tenn. and N. C., E. of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 1.90 - —
Toner, bbls., litho flushed, same basis lb. 1.10 - —
Celestial, bbls., same basis lb. .15 - .16
Chinese, bbls., same basis lb. .45 - —
Cobalt, genuine, bbls., same basis lb. 4.90 - —
imitation (see Blue, ultramarine).
Copper-phthalocyanine, full strength, bbls., same basis lb. 3.75 - 3.85
80%, bbls., same basis lb. 3.00 - 3.40
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda).
Methyl violet toner, bbls., same basis lb. 4.20 - —
Blue, milori, bbls., same basis lb. .43 - —
Peacock, fugitive, 100% color strength, same basis lb. .60 - .79
Permanent toner, green shade, molybdic, bbls., same basis lb. 3.75 - —
Tungstic lb. 4.00 - —
Potash, CP, bbls., same basis lb. .51 - —
Prussian, bbls., same basis lb. .45 - —
soluble, bbls., same basis lb. .45 - —
Soda CP, bronze, bbls., same basis lb. .39 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .25 - .29
jobbing type, dry, bbls., same basis lb. .14 - .15
regular types, dry or pulp, bbls., same basis lb. .19 - .29
Victoria, toner, molybdic, bbls lb. 3.75 - —
Tungstic, bbls. lb. 3.75 - —
Ink toner, bbls., same basis lb. 2.05 - 2.12
Violet toner, molybdic, bbls., same basis lb. 1.24 - —
Tungstic, kgs., same basis lb. 2.60 - 2.70
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blueflag, root, bls. lb. .53 - .60
Bluestone (see Copper sulphate).

Barium Carbonate—Borax

Blue vitriol (see Copper sulphate).
Boldo leaves, bls. lb. .08 - .09
Bone, raw, bulk, Chicago ton.75.00 - —
junk, bulk, same basis ton.50.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works ton.65.00 - —
Chicago, works ton.60.00 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. work, ton.65.00 - —
Chicago, works ton.65.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works, ton.60.00 - —
Chicago, works ton.60.00 - —
Phosphate, defluorinated (see D), precipitated (see Calcium phosphate tribasic precip).
Boneset leaves, bls. lb. .15 - .16
Borage flowers, bls. lb .45 - .50
Borax, tech., 99½%, cryst., paper bgs., c.l., works, frt. split ton.74.50 - —
ton lots, ex whse., N. Y. or Chi ton.97.50 - —
less ton lots, same basis ton.102.50 - —
bbls., c.l., works, frt. split ton.94.50 - —
ton lots, ex whse., N. Y. or Chi ton.117.50 - —
less ton lots, same basis ton.122.50 - —

ORTHOTOLUIDINE
CONGO RED 4B
CAUSTIC SODA Solid
GLUCOSE 45° Baumé
FORMIC ACID 90%
TRICHLORETHYLENE
ANILIN OIL
BLEACHING POWDER 70%
RHODAMINE B 500%
MAGNESIUM OXIDE Heavy
DIMETHYLANILIN
RESORCIN USP Recrystallized
DINITROANILIN
METHANOL—Pure, Synthetic
METATOLUENEDIAMINE
SULPHUR BLACK

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Seymour, Conn.

Borax, Technical, Fine Granular—Carbon Tetrachloride

Borax, tech., 99½%, fine, gran., bulk, works ton 44.50 -47.50
paper bgs., c.l., works, frt. split ton 48.50 - —
ton lots, ex whse., N. Y. or Chi ton 71.50 - —
less ton lots, same basis ton 76.50 - —
bbls., c.l., works, frt. split ton 68.50 - —
ton lots, ex whse., N. Y. or Chi ton 91.50 - —
less ton lots, same basis, ton 96.50 - —
powdered, paper bgs., c.l. works, frt. split ton 53.50 - —
ton lots, ex whse., N. Y. or Chi ton 76.50 - —
less ton lots, same basis, ton 81.50 - —
bbls., c.l., works, frt. split ton 73.50 - —
ton lots, ex whse., N. Y. or Chi ton 96.50 - —
less ton lots, same basis, ton 101.50 - —

Borax packed in kgs. is $40 per ton higher than borax packed in paper bags. USP, $15 per ton higher.

Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point lb. .15 - .21
l.c.l., same basis lb. .16 - .23

Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).

Brazilwood extract (see Hypernic).

Brimstone (see Sulphur).

Bromine, purified, cs., c.l., frt. alld. E. of Rockies lb. .21 - —
1,000 lbs., same basis lb. .23 - —
single pkgs., same basis lb. .28 - —
dms., lead-lined, c.l., dlvd lb. .19 - —

Bromoform, USP, bots lb. 1.50 - 1.70
cbys. lb. 1.42 - —

Bromstyrol, bots lb. 4.85 - 6.25

Bronze powder, aluminum (see Al).
Gold, litho., cans, dms., works lb. .50 - .60
moulding, cans, dms., works lb. .80 - 1.00
printing ink, cans, dms., works lb. .95 - 1.10
radiator, cans, dms., works lb. .60 - .65

Broomtop, bls. lb. .25 - .26

Brown, iron, synth., bgs., l.c.l., works lb. .12 - .12½
Oxide, metallic, bgs., works lb. .03 - .03¼
Sap, crystals, works lb. .12 - —
powdered lb. .13 - —
Sienna, burnt, paper bgs., c.l., works lb. .03¾ - .14¾
l.c.l., works lb. .04 - .15
raw, paper bgs., c.l., works lb. .04 - .12½
l.c.l., works lb. .04½ - .12¾
Umber, burnt, American, c.l., bbls., works lb. .04¾ - .05¾
l.c.l., bgs., works lb. .05 - .06¾
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N.Y. lb. .05¾ - .07¾
l.c.l., works lb. .06 - .08
raw, American, bgs., same basis lb. .03¾ - .06
Turkey type, bgs., same basis lb. .06 - .06¼
Vandyke, bbls., works lb. .09¾ - .12

Brucine, cns., 100 ozs. oz. .40 - .50
Sulphate, cns., 100 ozs. oz. .30 - .40

Bryonia root, bls. lb. .35 - .36

Buchu leaves, bls. lb. .80 - .85

Buckthorn bark, bls. lb. .23 - .24
cut and sifted, bls. lb. .26 - .28

Berries, bgs. lb. .85 - .90

Burdock root, bls. lb. .25 - .30

Butane, indust., tanks, group 3 gal. .06 - —

Butyl acetate, normal, ferment, ill., Ind., prod., dms., c.l., works, frt. alld. E. of Miss. lb. .31½ - —
l.c.l., same basis lb. .32½ - —
tanks, same basis lb. .30 - —
tankwagons, same basis lb. .30½ - —
other production, dms., c.l., same basis lb. .31½ - —
l.c.l., same basis lb. .32½ - —
tanks, same basis lb. .30 - —
synthetic, dms., c.l., same basis lb. .19 - —
l.c.l., same basis lb. .20 - —
tanks, same basis lb. .17½ - —

Normal butyl acetate, W. of Miss., ½c. per lb. higher.

secondary, dms., c.l., dlvd. E. of Miss. lb. .14½ - —
l.c.l., same basis lb. .15 - —
tanks, same basis lb. .13 - —

Alcohol (see Alcohol, butyl)

Aldehyde, dms., c.l., works lb. .20½ - —
l.c.l., works lb. .21½ - —
tanks, works lb. .19½ - —

Ether (see Ether, butyl).

Isobutyl methacrylate, P-5, 50/50, cns., works lb. .60 - —

Butyl lactate, dms., c.l., frt. alld. E. of Rockies lb. .45½ - —
l.c.l., same basis lb. .46½ - —
tanks, same basis lb. .44 - —
Laurate, dms., works lb. .42 - —
Methacrylate, M-4, dms., works lb. .60 - —
cns., works lb. .63 - .67
P-4, cns., works lb. .65 - —
Myristate, dms., works lb. No prices.
Oleate, refd., dms., l.c.l., works lb. .52 - —
Phenylacetate, dms lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., dlvd lb. No stocks
tanks, dlvd. lb. No stocks
Stearate, dms., c.l., frt. alld. E. of Rockies lb. .49 - —
l.c.l., same basis lb. .50 - —

Butyric ether (see Ethyl butyrate).

C

Cadmium bromide, jars lb. 1.66 - 1.91
Iodide, cns. lb. 4.59 - 4.96
Lithopone (see Yellow).
Metal, ingots or sticks, cs., dlvd lb. 1.90 - —
patent shapes, cs., dlvd lb. 2.00 - —
Selenide (see Red).
Sulphide (see Yellow).

Caffeine, cryst., dms., 100 lbs. or more lb. 4.75 - 8.00
anhydrous, dms., 100 lbs. or more lb. 5.00 - —
Citrated, dms., 100 lbs. or more lb. 3.00 - —
Hydrobromide, bots. lb. 6.50 - —

Calabar beans, bgs., futures lb. .65 - .66

Calamus root, dom., bgs. lb. .30 - .35
imported, bleached, bls. lb. .70 - .88
peeled, bls. lb. .30 - .31

Calciferol, cryst., vials, 10,000 or more standard units (1 standard unit=1,000,000 USP units), works gram 4.00 - —
1,000 to 10,000 s.u., works gram 4.40 - —
less than 1,000 s.u., works gram 4.80 - —
in edible oil, dms., 10,000 or more .10 - —
1,000 to 10,000 s.u., works unit .11 - —
less than 1,000 s.u., works unit .12 - —

Calcium acetate, bgs., dlvd 100 lbs. 3.00 - 4.00
Arsenate, dealers, dms., c.l., whse., works, frt. alld lb. .09½ - .10½
l.c.l., same basis lb. .10½ - .12¼
Bromide, NF, jars lb. .75 - .85
Carbide, dms., c.l., works ton 107.00 -140.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald ton 22.00 - —
liquor, works, basis 40%, tank cars ton. 9.00 - —
l.c.l., same basis ton 32.00 -61.00
solid, 73-75%, dms., c.l., works, same basis ton 20.00 - —
l.c.l., works, same basis ton 30.00 -59.00
Chromate, bgs., frt. equald lb. .29½ - .30
Cyanide, dms., dlvd. E. of Rockies, lb. .30 - .50
Gluconate, AA, bbls. lb. .65 - .72
cns. lb. .53 - .90
USP, bbls. lb. .58 - .65
cns. lb. .76 - .83
Hydride, dms., works lb. .90 - —
Glycerophosphate, NF, 6lb. dms. lb. 1.65 - 1.80
Hypochlorite, 100 lb. dms., dlvd. E. of Rockies dm 24.00 -28.50
cans, cased (45 lbs.) same basis cs. 19.75 -21.50
Hypophosphite, dms lb. .68 - —
Iodide, jars lb. 4.12 - —
Lactate, USP, dms lb. .37 - .44
Laurate, bbls lb. .43 - .44
Mandelate, USP, dms., works lb. 1.85 - 2.10
Naphthenate, liquid, 4% Ca, dms., dlvd lb. 23½ - —
5% Ca, dms., dlvd lb. 23¾ - —
Pantothenate, dextro, jars gram .07½ - —
Phosphate, feeding grade, bgs., works ton 75.50 -110.00
food grade, bbls., 10 or over, works lb. .07 - .07¾
less than 10, works lb. .08 - .10
medicinal, dibasic, bbls lb. .13 - .18
monobasic, cryst., bgs., c.l., works, frt. equald lb. .06½ - —
l.c.l., same basis lb. .06¾ - —
tribasic, bgs., c.l., works 100 lbs. 6.60 - —
bgs., l.c.l., works 100 lbs. 6.95 - 7.30
Phytate, bgs., works lb. .22 - —
Resinate, precip., 5.6% Ca, dms lb. .20 - —
Silicate, hydrated, bgs., c.l., works, lb. .05½ - —
l.c.l., works lb. .06 - —
Stearate, precip., cns., c.l., works, lb. .42 - —
l.c.l., works lb. .43 - .44
Sulphate (see Gypsum).
Sulphide, 76%, bgs., c.l., works ton 45.00 - —
70%, bgs., c.l., works ton 50.00 - —
luminous tins, works lb. 1.25 - —
Sulphocarbolate, bbls., dms lb. .59 - .60

Calcium-strontium sulphide, phosphorescent, dms., works lb. 1.06 - 1.50
fine particle size, works lb. 1.50 - 1.75

Calendula flowers, bls lb. .80 - .85

Calomel, USP, cryst., dms lb. 1.82 - 1.83
fine powd., dms lb. 1.97 - 1.98

Camphor, monobromated, dms., kgs. lb. 3.10 - 3.20

Camphor, natural lb. No stocks.
synth., tech., bbls., 2,000 lbs. or more, works lb. .42 - —
10 bbls. (1,500 lbs.) lb. .44½ - —
smaller lots lb. .45 - .55
USP, gran., powd., bbls., 2,000-lb. lots lb. .66 - —
1,000-lb. lots lb. .67 - —
smaller lots lb. .68 - —
tablets, tins, 2,000-lb. lots lb. .83 - —
1,000-lb. lots lb. .84 - —
smaller lots lb. .85 - —

Canada balsam (see Fir balsam).

Cantharides, Chinese, cs lb. 1.25 - 1.30
powd., bxs lb. 1.40 - 1.50
Russian, bgs lb. 6.25 - 6.50
powd., bxs lb. 6.50 - 6.75

Capsicum (see Pepper, red).
Oleoresin, NF VIII, cns lb. 6.50 - 6.75

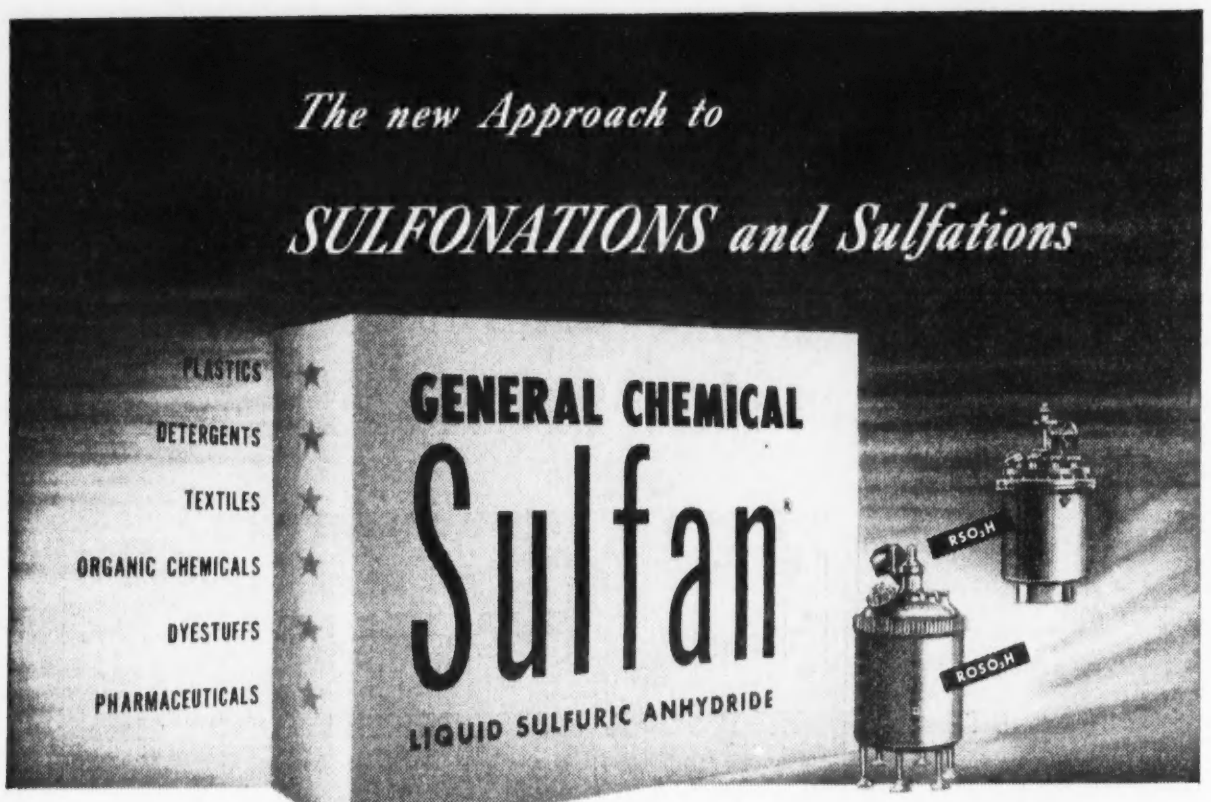
Caramel coloring, bbls gal. 1.25 - —

Caraway seed, Danish, bgs lb. .17 Nom.
Dutch, bgs lb. .18 - .18½

Carbazole, 97%, dms., ton lots, works lb. 1.55 Nom.

Carbinol butyl, normal, dms., l.c.l., works lb. .42 - —
secondary, dms., l.c.l., works lb. .70 - —
Isobutyl, dms., c.l., works lb. .51 - —
l.c.l., works lb. .52 - —
tanks, works lb. .50 - —
Methylisobutyl, dms., c.l., frt. alld. E. lb. .14½ - —
l.c.l., same basis lb. .15 - —
tanks, same basis lb. .13 - —

Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points lb. .05¾ - —
l.c.l., same basis lb. .06¾ - —
5-gal. dms., c.l., same basis lb. .07¾ - —
l.c.l., same basis lb. .08¾ - —
Dioxide, cyls lb. .06 - .08
Tetrachloride, CP, dms., works lb. .08½ - .11
tech., dms., E. of Rockies, c.l., frt. alld lb. .07½ - —
W. of Rockies, c.l., frt. alld lb. .08 - —
l.c.l., frt. alld. lb. .08 - —
USP, cbys lb. .17 - .19



Less than twelve months ago General Chemical Research introduced SULFAN—Stabilized Sulfuric Anhydride—to the Process Industries. Even in that short space of time, many using SULFAN have predicted it may well "rewrite the book on sulfonation and sulfation!"

Important among the many reasons for this belief is the fact that SULFAN provides Sulfur Trioxide in stable, easy-to-use liquid form for the first time in chemical history.

In sulfations as well as in both mono- and poly-sulfonations, it offers multiple advantages:

- Eliminates costly, time-consuming neutralization and washing steps.
- Shortens processing time.
- Produces salt-free products.
- Obviates waste acid disposal.

Already finding a place in the textile, dyestuff, detergent, pharmaceutical, plastics and general organic chemical industries, SULFAN may hold a rich potential for your operations, too. Write for samples or commercial quantities.

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Available on request on business letterhead.

SULFAN—General Chemical Technical Bulletin SF-1 containing 16 pages of charts, graphs, other data on Sulfan.

Reactions of SO_3—Comprehensive, selected abstracts and bibliography compiled by General Chemical Research.

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FOR AMERICAN INDUSTRY

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GENERAL CHEMICAL DIVISION
ALLIED CHEMICAL & DYE CORPORATION
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In Wisconsin: General Chemical Company, Inc., Milwaukee, Wis.
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Cardamom fruit, bleached, bold, cs., futures	lb.	2.10	- 2.12
medium, cs	lb.	1.80	- 1.82
decorticated, Guatemalan, cs.	lb.	1.73	- 1.75
Indian, cs	lb.	1.60	Nom.
green, Alleppey, bgs	lb.	1.55	- 1.60
Seed (See Cardamom fruit, decorticated).			
Carmine, No. 40, NF, bulk, 100 lbs. or more	lb.	5.50	- —
smaller lots	lb.	5.65	- 6.15
Carotene, crystals, research grade, ampuls, pure alpha or beta, 10 mg		5.00	- —
90% beta-10% alpha, ampuls 100 mg		2.00	- —
bulk grain quantities	gm.	5.00	- —
technical, 1,350,000 A units per gram	gm.	.67½	- —
tins, works	gm.	.62	- —
dry powder, 3,330 A units per gram	lb.	.70	- —
emulsion (in milk), 500,000 A units per 16-oz. cn	cn.	.85	- —
in vegetable oil, 250,000 A units per gram	lb.	37.80	- —
50,000 A units per gram	lb.	7.87	- —
26,000 A units per gram, tins, works	milli. units.	.32	- —
dms., works	milli. units.	.30	- —
3,330 A units per gram	lb.	.85	- —
microcrystalline, in oil, 400,000 A units per gram, tins, works	milli. units.	.50	- —
Carvol, bots	lb.	9.50	-16.00
Cascara sagrada bark, bulk	lb.	.38	- .40
Case-hardening mixture, 30% gran., dms., f.o.b., l.c.l., dlvd	lb.	.09¾	- —
Casein, dom., acid-precip., bgs., 10,000 lbs. or more, ship't point	lb.	.31	- —
rennet-precip., 10,000 lbs. or more, same basis	lb.	.34	Nom.
imp., acid-precip., ground, bgs., bgs. or more	lb.	.25¾	- .26¼
rennet-precip., unground, 100 bgs. or more	lb.	.36	Nom.
smaller lots	lb.	.37	Nom.
Cassia, bark, Batavia, No. 1	lb.	.45	Nom.
broken, bls	lb.	.34	Nom.
shortstick, bls	lb.	.26	Nom.
China, rolls, select, cs	lb.	.12	- .12½
broken, bls	lb.	.08½	- .09
Kwangsi, broken, bls	lb.	.12	- .12½
Saigon, broken, bls	lb.	.30	- .31
medium, bls	lb.	.27	- .28
thin, bls	lb.	.44	Nom.
Yunnan, bls	lb.	.16	- .16½
Buds, China, bgs	lb.	.35½	- .36
Cassia fistula, bskts	lb.	.24	- .25
Castor beans, bgs., Sept. ship't, Brazilian ports	long ton.	130.00	- —
Oil (see Oil, castor).			
Pomace, bgs., c.l., works	ton.	27.50	- —
Castoreum, nat., cns	lb.	12.00	- 45.00
synthetic, cns	lb.	22.00	- —
Catechol, CP, cryst., fib. dms., works	lb.	2.00	- —
resublimed, dms., works	lb.	3.25	- —
Catnep, bls	lb.	.60	- .65
Celery seed, French, bgs., futures	lb.	.29	- .30
Indian, bgs	lb.	.24	- .24½
futures, bgs	lb.	.24	- .24¼
Celluloid scrap (see Pyroxylin scrap).			
Cellulose acetate, flake, cns., works, frt. alld. on 100 lbs. or more	lb.	.36	- —
granules, cns., same basis	lb.	.42	- —
molding composition, plain colors, pearls, special black, dms., c.l., frt. alld	lb.	.47	- —
l.c.l., same basis	lb.	.49	- .51
regular black, dms., l.c.l., same basis	lb.	.35	- .39
variegations, dms., l.c.l., same basis	lb.	.54	- .59
Acetate-butyrate, flake, 17% butyryl content, cns., 500 lbs. and over, works	lb.	.52	- —
less than 500 lbs., works	lb.	.53	- —
17.5% butyryl content, cns., 500 lbs. and over, works	lb.	.49	- —
less than 500 lbs., works	lb.	.50	- —
26.5% butyryl content, cns., 500 lbs. and over, works	lb.	.53	- —
less than 500 lbs., works	lb.	.54	- —
gran., 37% butyryl content, cns., 500 lbs. and over, works	lb.	.51	- .57
less than 500 lbs., works	lb.	.52	- .58
43% butyryl content, cns., 500 lbs. and over, works	lb.	.57	- —
less than 500 lbs., works	lb.	.58	- —
molding composition, plain colors, pearls, special black, dms., l.c.l., frt. alld	lb.	.56	- .61
regular black, dms., l.c.l., same basis	lb.	.47	- .51
variegations, dms., l.c.l., same basis	lb.	.61	- .66
Triacetate, flake, cns., works, frt. alld. on 100 lbs. or more	lb.	.40	- —
Cerium hydrate, dms., works	lb.	1.25	- —
Oxalate, NF, bbls., bgs., works	lb.	.70	- .72
Oxide, optical grade, bgs., under 100 lbs., works	lb.	2.25	- —
kgs., 100-lb. lots, works	lb.	1.75	- —
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works	lb.	.02¾	- .03½
l.c.l., ex whse	lb.	.04	- —
paint, bgs., c.l., works	ton.	40.00	- —
papermakers, bgs., c.l., works	ton.	32.50	-40.00
rubber makers, bgs., c.l., works	ton.	30.00	- —
Chamomile, Hungarian, cs	lb.	.46	- .50
Roman, bls	lb.	1.50	- 1.75
Charcoal, hardwood, briquets, bulk, c.l., works	ton.	49.50	- —
bgs., c.l., works	ton.	54.50	-55.50
granular, bgs., incl., c.l., works	ton.	50.50	- —
lump, bulk, c.l., works	ton.	39.50	-43.50
bgs., extra, returnable, c.l., works	ton.	42.50	-45.50
screenings, bgs., works	ton.	33.50	- —
Pinewood, gran., powd., bgs., c.l., works, South	ton	40.00	- —
l.c.l., works	ton.	50.00	-60.00
lump, bgs., c.l., works, South	ton.	35.00	- —
Willow, powd., bbls	lb.	.06	- .07
Chestnut extract, 25% tannin, bbls., c.l., works	lb.	.0465	- —
l.c.l., works	lb.	.0495	- —
tanks	lb.	.0390	- —
powd., 65% tannin, bgs., extra, c.l., works	lb.	.1105	- —
l.c.l., works	lb.	.1170	- .1180
China clay, dom., m-y-grd., air-float, 99.75% 300 mesh, bgs., c.l., works	ton.	12.50	-13.00
l.c.l., works	ton.	13.50	-14.00
bulk, c.l., works	ton.	9.50	-10.00
99% 200 mesh, bgs., c.l., works	ton.	10.00	-12.00
l.c.l., works	ton.	11.00	-16.00
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works	ton.	13.00	- —
paper bgs., c.l., works	ton.	15.00	- —
imported, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila net	ton.	16.00	-35.00
powd., bgs., c.l., ex dock	ton.	45.00	- —
l.c.l., ex whse	ton.	50.00	-55.00
Chloral, dms., works	lb.	.45	- .50
Hydrate, jars	lb.	.90	- .95
Chlordane, agricultural, dms., c.l., frt. alld	lb.	1.50	- —
l.c.l., frt. alld	lb.	1.55	- 1.70
refined, dms., c.l., frt. alld	lb.	1.65	- —
l.c.l., frt. alld	lb.	1.70	- 1.85
technical, cns., c.l., works	lb.	1.55	- —
l.c.l., works	lb.	1.60	- 1.80
Chlorinated rubber, standard, cns., c.l., works	lb.	.40	- —
Chlorine, liquid, cyls., c.l., works	lb.	.07	- .12
l.c.l., stock points	lb.	.09	- .15½
tanks, single units, works, frt. equald	100 lbs.	2.40	- —
multiple units, 3 cars, works, frt. equald	100 lbs.	2.70	- —
2 cars, same basis	100 lbs.	3.30	- —
1 car, same basis	100 lbs.	3.90	- —
Chloroform, tech., dms	lb.	.20	- .23
USP, dms.	lb.	.30	- .33
Chloro(4)-2-Toluidine, bbls.	lb.	1.38	- —
Chloropicrin, com'l, bots	lb.	1.35	- —
cyls., 180-lbs., frt. alld	lb.	.85	- —
100-lbs., same basis	lb.	.87	- —
25-lbs., same basis	lb.	1.12	- —
Cholesterol, USP, fib. dms., 100-lb. lots	lb.	12.00	-14.38
jars, dms., smaller lots	lb.	13.75	-15.55
Choline chloride, fib. dms., works	lb.	3.00	- 3.10
feed grade, fib. dms., works	lb.	2.20	- —
Dihydrogen citrate, fib. dms., works,	lb.	3.00	- 3.10
Chromium acetate, powd., 72% Cr., bbls., works	lb.	No stocks	
solut., 7½%, bbls., cs.	lb.	.09¼	- —
8½%, bbls., cs.	lb.	No stocks	
Cake, bulk, c.l., works	ton.	16.00	- —
Fluoride, bbls., works	lb.	.24	- .27
Green (see Green, chromium).			
Oxide (see Green, chromium oxide).			
Oleate, bbls.	lb.	.54	- —
Trioxide (see Acid, chromic).			
Yellow (see Yellow, chrome).			
Chrysarobin, bots.	lb.	7.11	- —
Cinchona bark, N.F., red, quill, 30-in., cs	lb.	1.26	Nom.
yellow, broken, bgs.	lb.	.35	- .40
Cinchonidine, small cryst., cns., 100 ozs	oz.	.95	- —
Cinchonine, large cryst., cns., 100 ozs	oz.	.69	- —
small cryst., cns., 100 ozs	oz.	.65	- —
Sulphate, N.F., cns., 100 ozs	oz.	.42	- —
Cinchophen, N.F., heavy, dms., works,	lb.	4.20	- 4.30
standard, dms., works	lb.	4.00	- 4.10
Cinnamic alcohol (see Alcohol, cinnamic).			
Aldehyde, cbys., cns., dms	lb.	.75	- 1.25
Cinnamon, Ceylon, No. 2, bls	lb.	.33	- .33½
Citral, bots., cns.	lb.	3.75	- 5.00
Citronellal, bots., dms.	lb.	2.75	- 7.75
Citronellol, bots., dms.	lb.	3.50	- 4.75
Clover tops, red, dom., bgs.	lb.	.58	- .60
imported, bgs.	lb.	No stocks	
Cloves, Madagascar, bls.	lb.	.10	- .10½
futures, bls.	lb.	.10	- .10½
Zanzibar, bls.	lb.	.18	- .18½
Coaltar coal-gas, water-gas, crude, resale, dms., c.l., works	dm.	10.60	- —
l.c.l., works	dm.	11.10	- —
tanks, works	gal.	.14	- —
refd., bbls., c.l., works	bbl.	11.10	- —
l.c.l., works	bbl.	11.60	- —
tanks, works	gal.	.15	- —
Cobalt acetate, bbls., kgs., dlvd	lb.	.83¾	- —
Carbonate, powd., bgs., works	lb.	1.58	- —
feed grade, 49½% Co, kgs	lb.	1.58	- —
Chloride, kgs., works	lb.	.87½	- —
feed grade, 24.5% Co, kgs	lb.	1.25	- —
Hydrate, bbls	lb.	2.04	- —
feed grade, 62% Co, kgs	lb.	2.04	- —
Linoleate, paste, 6% Co, dms	lb.	.56	- —
solid, 8½% Co, dms	lb.	.65	- —
8% Co, dms	lb.	.61¼	- —
Cobalt, naphthenate, solid, 6% Co, dms., dlvd	lb.	.27	- —
Nitrate, feed grade, 20.4% Co, bbls	lb.	.75½	- —
Oxide, black, kgs	lb.	1.27½	- 1.30
Phosphate, feed grade, 34% Co, kgs	lb.	1.26½	- —
Resinate, precip., 7.5% Co, dms	lb.	.32½	- —
Sulphate, dms	lb.	.65	- —
feed grade, 21% Co, kgs	lb.	1.00	- —
Cobalt salts, feed grade, quotations are f.o.b. Phila., Cleve., or N. Y.			
Cobalt-ammonium sulphate, 14% Co, kgs	lb.	.75	- —
Cocaine hydrochloride, cns., 100-oz. lots	oz.	9.75	- —
Cochineal, gray, bgs	lb.	.67	- .68
silver, Teneriffe, bgs	lb.	.69	- .70
Cocillana bark, bgs	lb.	.19	- .20
Cocoa butter, bgs	lb.	.94½	- —
Codeine, cns., 100 ozs	oz.	13.25	- —
Hydrochloride, cns., 100 ozs	oz.	11.85	- —
Phosphate, cns., 100 ozs	oz.	10.25	- —
Sulphate, cns., 100 ozs	oz.	10.75	- —
Codliver oil (see Oil, codliver).			
Cohosh, black, root, bls	lb.	.20	- .21
Blue, root, bls	lb.	.19	- .20
Colchicum seed, bgs., futures	lb.	3.25	- 4.00
Colchicine, bots., cns	oz.	No stocks.	
Collodion, USP, dms	lb.	.24	- .29
Flexible, USP, dms	lb.	.25½	- .30¼
Colocynth, pulp, bls	lb.	.50	- .52
Colombo root, bls	lb.	.18	- .19
Coltsfoot leaves, bgs	lb.	.40	- .45
Condurango bark, bgs., futures	lb.	.20	- .21
Copaiba balsam, cns., dms	lb.	.65	- .66

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SYNTHENOL

CAN DO FOR YOU...

Synthenol makes excellent, fast-drying varnishes and baking enamels of superior quality. It is especially desirable as an ingredient in white, non-yellowing, waterproof enamels that are always in demand.

The varnish maker who wishes to keep such goods in his line and keep the line competitive in value in today's markets should use Synthenol.

Formulations in which Synthenol is used give no trouble in manufacturing. There are three viscosities in which Synthenol is available, G-J, U-V, and Z2-Z3. Most resins incorporate readily in the heavy viscosity oil, and its shorter time in the kettle results in lower acid value and lighter final color.

Synthenol is thoroughly reliable and uniform. It is the original Spencer Kellogg dehydrated castor oil; it has produced thousands of gallons of fine varnishes.

SPENCER KELLOGG AND SONS, INC.

BUFFALO 5, N.Y.

THE FIRST NAME IN VEGETABLE OILS

Copper Acetate—Dillseed

Copper acetate, cupric, bbls., works lb. .28 - —
smaller containers, works lb. .29 - .30
Carbonate, 52-54% bbls lb. .25¼ - .26¼
Chloride, anhyd., bbls lb. .29 - —
crystals, bbls lb. .20 - .20¾
Cyanide, tech., bbls lb. .46 - —
Hydrate, dms., dlvd. E. Miss lb. .26¼ - .26¾
Metal, electrolytic lb. .23½ - —
Naphthenate, liquid, 8% Cu, dms., dlvd lb. .22½ - —
Nitrate, tech., cryst., bbls., works lb. .25 - .28
Oleate, liquid, 8.5% Cu, bbls lb. .33 - —
solid, 10% Cu, bbls lb. .45¾ - —
12.5% Cu, bbls lb. .44½ - —
Oxide, black, bbls., works lb. .28 - .30
red, com'l, bbls., works lb. .30 - .32¼
Oxychloride-sulphate, bgs., frt. alld lb. .21 - .24
Resinate, precip., 8.5% Cu, dms lb. .21½ - —
Stearate, bgs., works lb. .39½ - —
Sulphate, cryst., 99%, bgs., c.l., works 100 lbs. 8.10 - —
l.c.l. 100 lbs. 9.10 - —
monohydrated, 35%, dms., c.l., dlvd 100 lbs.13.50 - —
l.c.l., dlvd 100 lbs.14.00 -14.50
tribasic, dealers, bgs., works, c.l. lb. .22¾ - —
l.c.l., works lb. .23¾ - .24¼
Copperas, cryst., gran., bgs., c.l., works ton.17.00 - —
l.c.l., works 100 lbs. 1.55 - 2.00
bbls., c.l., works ton.20.00 - —
bulk, c.l., works ton.14.00 - —
Copra, c.i.f., Pacific ports ton.246.00 Nom.
Atlantic or Gulf ports ton.240.00 Nom.

Coriander seed, Argentine, bgs., futures lb. .05½ - .06
Italian, bgs lb. .06 - .06½
Moroccan, bgs lb. .06¾ - .07¼
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 6.24 - —
bbls., c.l., same basis 100 lbs. 6.29 - —
Syrup, 42°, bbls., c.l. 100 lbs. 6.60 - —
l.c.l. 100 lbs. 6.75 - —
Cornsilk, bls lb. .18 - .19
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more lb. 1.68 - —
gran., powd., dms., 50 lbs. or more lb. 1.53 - —
Cottonroot bark, bls lb. .59 - .42
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton. 1.75 - —
Meal, 41% protein, sacked, c.l., mills, S. E ton.54.00 -55.00
Coumarin, cns., 25 lbs lb. 3.00 - —
smaller lots lb. 3.05 - 3.15
Cramp bark, NF, bls lb. .80 - .85
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship lb. .32½ - —
smaller lots lb. .33 - .34
imported, kgs. lb. .37 - .38
Creosote, beachwood, bots., cbys lb. 1.15 - 1.20
Coaltar, crude, tanks, works gal. .19½ - —
refined, dms., c.l., works gal. .38½ - —
l.c.l., same basis gal. .39 - —
tanks, same basis gal. .25 - —
solution, 80% tanks, works gal. .20 - —
Hardwood, NF, bots., cbys lb. .85 - —
Pinewood, dms gal. .31 - .32

Creosote carbonate, bots., cbys lb. 2.35 - 2.40
Cresol, tech., dms., c.l., works, frt. equald lb. .19 - .19¾
l.c.l., same basis lb. .19¼ - .19½
tanks, same basis lb. .18¼ - .18½
USP, dms., c.l., same basis lb. .18¾ - .19¼
l.c.l., same basis lb. .19¼ - .19¾
tanks, same basis lb. .18¼ - .18½
Crotonaldehyde, 91-93%, dms., 55 and 110 gals., l.c.l., works lb. .16½ - .17
5 and 10 gals., l.c.l., works lb. .22 - —
Cryolite, nat., dealers, bgs., bbls., c.l., works 100 lbs.12.75 - —
bbls., l.c.l., works 100 lbs.13.75 -14.75
Cube root, powd., 5% rotenone, bbls., works lb. .33 - .35
Cubeb berries, XX, bgs lb. .45 - .50
powd., cs lb. .55 - .60
Culvers root, bbls lb. .60 - .70
Cumin seed, Cyprian, bgs lb. No stocks
Indian, bgs., futures lb. .40 - .41
Italian, bgs lb. .08½ - .09
Moroccan, bgs lb. No stocks.
Persian, bgs lb. .20 - .21
Syrian, bgs lb. .22 Nom.
Cutch, extract, 55% tannin, bgs., ex dock lb. .09½ - —
Cyanamide, fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk unit-ton. 2.55 - —
pulv., 21% N., bgs., same basis unit-ton. 2.45 - —
Cyclohexane, tech., dms., c.l., works lb. .09½ - .12½
l.c.l., works lb. .10 - .13
tanks, works lb. .08 - .11½

Cyclohexanol, tech., dms., c.l., works, lb. .21½ - —
l.c.l., works lb. .22 - —
tanks, works lb. .20 - —
Cyclohexanone, tech., dms., c.l., works lb. .26½ - .36
l.c.l., works lb. .27 - .31
tanks, works lb. .25 - .29
Cyclohexylamine, dms., works lb. .32 - —
Cyclopropane, USP, cyls., dlvd gal. .27 - —

D

Damiana leaves, bls lb. .45 - .50
Dandelion root, bls lb. .48 - .50
DDT, fiber dms., c.l., works lb. .34 - —
ton lots, works lb. .35 - .36
smaller lots lb. .42½ - —
Decanol, normal, tech., dms., dlvd lb. .35 - —
Deertongue leaves, bls lb. .35 - .40
Defluorinated phosphate, 65% b.p.l., paper bgs., works ton.41.65 -52.50
Rock, paper bgs., works ton.34.25 - —
Degras, common, bbls lb. .10 - .12
Neutral, less 2% ffa., bbls lb. .16 - .18
over 2% ffa., bbls lb. .15 - .17
Derris root, 5% rotenone, powd lb. .40 - —
Dextrin, British gum, bgs., c.l. 100 lbs. 8.34 - —
Chicago 100 lbs. 7.73 - —
l.c.l. 100 lbs. 8.49 - —
Corn, Canary, bgs., c.l. 100 lbs. 8.06 - —
Chicago 100 lbs. 7.87 - —
l.c.l. 100 lbs. 8.23 - —
dark, bgs., c.l. 100 lbs. 8.18 - —
Chicago 100 lbs. 7.57 - —
l.c.l. 100 lbs. 8.33 - —
white, bgs., c.l. 100 lbs. 7.93 - —
Chicago 100 lbs. 7.32 - —
l.c.l. 100 lbs. 8.06 - —
Dextrin, potato, dom., bgs lb. .12½ - .13
imp., bgs lb. .1165- .1185
Above prices are for dextrin in paper bgs.; cotton bgs., 17c. higher.
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots lb. 5.20 - 5.35
laboratory grade, bots 100 grams. 4.50 - —
tech., bots., works lb. 3.00 - —
Diamyl ether (see Ether, amyl).
Phthalate, dms., tanks lb. No prices.
Dianisidine, mixed, dms., c.l., works lb. .31 - —
l.c.l., works lb. .32 - —
tanks, works lb. .30 - —
Dianisidin, dms lb. 1.54 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton.50.00 -52.60
California ton.38.00 -40.00
l.c.l., ex whse ton.80.00 - —
purified, bgs., c.l., Atl. coast. ton.62.00 - —
California ton.50.00 - —
l.c.l., ex whse ton.90.00 - —
Imported, Algerian, bgs., c.l., Atlantic coast ton. No prices.
Mexican, white, bgs., c.l., Atlantic coast lb. .03 - —
l.c.l., Atlantic coast lb. .04 - —
Dibutyl phthalate, dms., c.l. lb. .37 - .38½
l.c.l. lb. .37½ - .39
tanks lb. .35½ - .37
Sebacate, dms., c.l., works lb. .67½ - —
l.c.l., works lb. .68 - —
tanks, works lb. .66 - —
Tartrate, dms., works, frt. alld lb. .92 - 1.02
Dibutylamine, dms., c.l., frt. alld lb. .52½ - —
l.c.l., frt. alld lb. .53½ - —
tanks, frt. alld lb. .50 - —
Dibutylmetacresol, dms., c.l., works lb. .79 - —
l.c.l., works lb. .80 - —
Dibutylparacresol, dms., c.l., works lb. .94 - —
l.c.l., works lb. .95 - —
Dicapryl sebacate, dms., c.l., works, lb. .65½ - —
l.c.l., works lb. .66 - —
tanks, works lb. .64 - —
Dichloroanilin, dms., works lb. .75 - —
Dichlorodiphenyldichloroethane, 6lb. dms., c.l., works lb. .42½ - —
ton lots, works lb. .45 - —
tins, small lots, works lb. .42 - .50
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichlorophenol, dms., frt. equald lb. .28 - —
Dicoumaral, bots., works lb.18.00 - —
Dicyclohexylamine, dms., works lb. .38 - —
Dicyclohexylphthalate, fib. dms., c.l., works lb. .42½ - —
l.c.l., same basis lb. .43 - —
Diethanolamine, dms., c.l., frt. alld, E lb. .26 - —
l.c.l., same basis lb. .27 - —
smaller containers, same basis lb. .30 - —
tanks, same basis lb. .24½ - —
Diethyl carbonate, dms., l.c.l. lb. .46½ - —
Oxalate, dms., c.l. lb. .35½ - —
l.c.l. lb. .36½ - —
tanks lb. .34 - —
Phthalate, dms., c.l., frt. equald lb. .33½ - —
l.c.l., frt. equald lb. .34 - —
tanks, frt. equald lb. .32 - —
Sulphate, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Diethylamine, dms., c.l., works lb. .69 - —
l.c.l., works lb. .71 - —
tanks, works lb. .65 - —
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss lb. .75 - —
Diethylanilin; dms lb. .48 - —
Diethyleneglycol, dms., c.l., frt alld, E lb. .16½ - —
l.c.l., same basis lb. .17 - —
tanks, same basis lb. .15 - —
Diethylether, dms., l.c.l., works lb. .40 - —
Monobutylether, dms., c.l., works, lb. .26 - —
l.c.l., works lb. .26½ - —
tanks, works lb. .24½ - —
Monobutylether acetate, dms., c.l., works lb. .27½ - —
l.c.l., works lb. .28 - —
Monoethylether, dms., c.l., works lb. .18 - —
l.c.l., works lb. .18½ - —
tanks, works lb. .16½ - —
Monoethylether acetate, dms., c.l., works lb. .24 - —
l.c.l., works lb. .24½ - —
Monomethylether, dms., c.l., works lb. .22 - —
l.c.l. lb. .22½ - —
tanks lb. .20½ - —
Diethylenetriamine, dms., c.l., works, lb. .51½ - —
l.c.l., works lb. .52 - —
tanks, works lb. .50 - —
Diethylstilbestrol, bots kilo.300.00 -330.00
Digitalin, crystl., bots gram.18.00 -19.00
powd., bots gram. 1.25 - 1.75
Digitalis leaves, dms lb. .90 - 1.00
Diglycol laurate, dms lb. .33 - —
Oleate, light, bbls., c.l lb. .33 - —
Stearate, bbls., c.l lb. .40 - —
Dihydroxydichlorodiphenylmethane, dms lb. .95 - 1.00
smaller containers lb. 1.05 - 1.40
Di-isobutyl ketone, dms., c.l., works, lb. .14 - —
l.c.l., works lb. .14½ - —
tanks lb. .12½ - —
Di-isobutylene, dms., c.l., works lb. .07 - —
l.c.l., works lb. .07½ - —
tanks, works lb. .05½ - —
Dillseed, decorticated, bgs lb. .16 Nom.
dewhiskered, bgs lb. .11½ - .12

CROTONIC ACID

$CH_3-CH=CH-CO_2H$

WHITE FLAKES: MP 70-71 C
Mol. Wt: 86.09 Purity: 98% Minimum

SOLUBILITY AT 25° C	
SOLVENT	SOLUBILITY
WATER	8.56%
ETHYL ALCOHOL	52.5%
TOLUENE	37.5%
ACETONE	53.0%

Crotonic Acid, possessing a system of conjugated double bonds, has been actively investigated as a component in polymeric materials. Several interesting applications have been reported:

1. Lower alkyl esters form useful copolymers with:
   (a) Vinyl esters
   (b) Maleate esters
   (c) Styrene
2. Bodied with linseed oil, Crotonic Acid produces varnish resins
3. Reaction products with amines have wood-sealing properties
4. Crotonic Acid can be incorporated in polyvinyl acetate resins to increase water and acid resistance
5. Esters of polyhydric alcohols make useful modifying resins for varnishes, lacquers, and plastics

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TENNESSEE EASTMAN CORPORATION
(Subsidiary of Eastman Kodak Company)
KINGSPORT, TENNESSEE

Dimethyl phthalate, dms., c.l., dlvd, lb. .27½- —
l.c.l., dlvd lb. .28 - —
tanks, dlvd lb. .26 - —
Sebacate, dms., c.l., works lb. .73 - —
l.c.l., works lb. .73½- —
tanks, works lb. .71½- —
Sulphate, ref., 55-gal. dms., c.l., works lb. .15 - —
l.c.l., works lb. .16 - —
ref. 10-gal. dms., works lb. .16½- —
Dimethylamine, anhyd., cyl., works, basis 100% lb. .38½- .48½
25%-40%, dms., c.l., works, basis 100% lb. .33 - —
l.c.l., works, basis 100% lb. .33½- —
tanks, works, basis 100% lb. .31 - —
Dimethylanilin, dms., c.l lb. .24 - .25¾
l.c.l. lb. .25 - .27¾
Dinitroaniline, dms., frt. equald lb. .50 - —
Dinitrobenzene, bbls lb. .16 - .21¾
Dinitrochlorobenzene, dms lb. .14 - .17
Dinitrophenol, bbls lb. .22 - .2 .3¾
Dinitrotoluene, oily, dms lb. .07 - .03½
refd., dms lb. .17¾- .18¾
Dinonylnaphthalene, tanks, works lb. .15 - —
Dioctyl phthalate, dms., c.l., frt. alld lb. .433 - —
l.c.l., frt. alld lb. .443 - —
tanks, frt. alld lb. .413 - —
Diortho'olyguanidin, dms., ton lots, dlvd lb. .44 - —
smaller lots, dlvd lb. .50 - —
Dioxan, dms., c.l., frt. alld lb. .25 - —
l.c.l., same basis lb. .25½- —
tanks, same basis lb. .23½- —
Dip oil (see Tar acid oil).
Dipentene, dest.-dist., dms, incl., c.l., works, South gal. .35 - .53
l.c.l., same basis gal. .34 - .55
N. Y. whse gal. .50 - —
steam-dist., dms., c.l., whse., NYC. gal. .50 - —
l.c.l., same basis gal. .53 - .62
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .20
Oxide, perfume grade, cns lb. .43 - .61
dms. lb. .45 - .56
Diphenylamine, bbls lb. .23 - —
Diphenylguanidin, dms., ton lots lb. .35 - —
smaller lots lb. .40 - —
Ditertiarybutylmetacresol, dms., c.l., works lb. .29 - —
l.c.l., works lb. .30 - —
Ditertiarybutylparacresol, dms., c.l., works lb. .94 - —
l.c.l., works lb. .95 - —
Divi-divi, 43% tannin, bgs., bls., c.l., U. S. ports, ex dock ton 64.00 -66.00
Divinylbenzene, 18%, dms., c.l., works lb. .25 - —
l.c.l., works lb. .26 - —
tanks, works lb. .24 - —
40%, dms., c.l., works lb. .69 - —
l.c.l., works lb. .70 - —
Doggrass root, dom., cut, bls lb. .20 - .22
imp., NF, cut, bls. lb. .30 - .32
Dogwood, Jamaica, bark, bls lb. .12 - .14
Dragon's blood, drops, cs lb. .45 - .47
mass, cs lb. 1.30 - 1.35
reeds, cs No stocks.

Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots:—
Blue, FD&C, No. 1, cns lb. 15.75 -16.30
No. 2, cns lb. 15.75 -16.30
Green, FD&C, No. 1, cns lb. 15.75 -16.30
No. 2, cns lb. 20.55 -21.15
No. 3, cns lb. 32.65 -33.25
Orange, FD&C, No. 1, cns lb. 3.40 - 3.50
No. 2, cns lb. 4.30 - 4.40
Red, FD&C, No. 1, cns lb. 7.00 - 7.25
No. 2, cns lb. 20.55 -21.15
No. 3, cns lb. 20.55 -21.15
No. 4, cns lb. 6.65 - 6.95
No. 32, cns lb. 4.90 - 5.00
Yellow, FD&C, No. 1, cns lb. 9.70 -10.25
No. 2, cns lb. 3.10 - 3.15
No. 4, cns lb. 3.10 - 3.15
No. 5, cns lb. 3.70 - 3.80
No. 6, cns lb. 3.70 - 3.80

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots:—
Black, D&C, No. 1, cns lb. 10.10 - —
Blue, D&C, No. 4, cns lb. 13.55 - —
Brown, D&C, No. 1, cns lb. 14.90 - —
Green, D&C, No. 5, cns lb. 14.90 - —
No. 6, cns lb. 14.90 - —
No. 7, cns lb. 13.70 - —
Orange, D&C, No. 3, cns lb. 10.10 - —
No. 4, cns lb. 18.55 - —
No. 5, cns lb. 5.25 - —
No. 10, cns lb. 19.15 - —
Red, D&C, No. 8, cns lb. 3.45 - —
No. 9, cns lb. 3.45 - —
No. 10, cns lb. 2.75 - —
No. 11, cns lb. 2.05 - —
No. 12, cns lb. 2.75 - —
No. 17, cns lb. 10.10 - —
No. 18, cns lb. 22.20 - —
No. 21, cns lb. 4.75 - —
No. 22, cns lb. 10.10 - —
No. 23, cns lb. 22.80 - —
No. 33, cns lb. 16.15 - —
Violet, D&C, No. 1, cns lb. 13.55 - —
No. 2, cns lb. 14.90 - —
Yellow, D&C, No. 7, cns lb. 10.10 - —
No. 8, cns lb. 10.10 - —
No. 10, cns lb. 12.50 - —
No. 11, cns lb. 12.50 - —
No. 22, cns lb. 9.15 - —
No. 33, cns lb. 14.65 - —
No. 37, cns lb. 13.55 - —

Dyes, coaltar, certified colors for external use in drugs and cosmetics, 1-lb. lots:—
Red, Ext. D&C, No. 1, cns lb. 12.50 - —
Green, Ext. D&C, No. 1, cns lb. 14.90 - —
Red, Ext. D&C, No. 1, cns lb. 12.50 - —
No. 3, cns lb. 26.40 - —
Yellow, Ext. D&C, No. 1, cns lb. 10.10 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype)
20 Chrysodine G lb. .53 - .55
27 Orange G lb. .64 - .67
31 Amido naphthol red G lb. .53 - .56
36 Alizarine yellow 2G lb. .74 - .76
40 Alizarine yellow R lb. .87 - .91
57 Amido naphthol red 6B lb. .87 - .91
79 Ponceau R lb. .61 - .64
131 Orange II lb. .39 - .41
165 Red lake C lb. 1.05 - —
176 Red lake A lb. .75 - .78
179 Azo rubine lb. .85 - .88
180 Diamond blue 3B lb. .83 - .88
185 Cochineal red A lb. .77 - .80
202 Chrome blue black R lb. .51 - .53
203 Chrome black T lb. .59 - .62
208 Sulphon acid blue R lb. .75 - .80
216 Acid alizarin red B lb. .69 - .72
234 Resorcin brown lb. .74 - .77
246 Naphthol blue black lb. .64 - .67
273 Benzo fast red SBL lb. 2.66 - 2.73
289 Sulphon cyanine 5R extra lb. .90 - .94
300 Diamond black F lb. 1.13 - 1.18
304 Nerol 2B lb. 1.65 - 1.73
326 Benzo fast orange S lb. 1.41 - 1.46
332 Bismarck brown R lb. .67 - .70
365 Chrysoidine lb. .74 - 1.85
382 Diamine scarlet B lb. 1.74 - 1.55
401 Diamine black BH lb. 1.47 - .55
406 Benzo blue 2B conc lb. .52 - .94
419 Diamine fast red F lb. .88 - .97
420 Diamine brown M lb. .94 - .76
443 Benzo purpurine 4B lb. .74 - —
518 Diamine sky blue FF lb. .88 - —
561 Trisulphon brown B lb. 1.82 - —
lb. 1.45

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype)
581 Direct deep black EW extra lb. .67 - —
593 Diamine green B lb. .80 - —
596 Congo brown G lb. 1.20 - —
620 Sun yellow lb. .69 - —
639 Xylene light yellow lb. 1.45 - —
640 Tartrazine lb. 1.20 - —
655 Auramine lb. 1.52 - —
657 Malachite green lb. 1.73 - —
662 Brilliant green lb. 2.30 - —
667 Brilliant milling green B lb. 3.03 - —
671 Glaucine lb. 1.43 - —
680 Methyl violet B lb .95 - —
681 Crystal violet lb 1.91 - —
698 Formyl violet S4B lb. 1.41 - —
720 Chrome azurol B lb. 3.03 - —
729 Victoria blue B lb. 2.48 - —
737 Wool green S lb. 1.98 - —
749 Rhodamine B lb. 3.85 - —
814 Chloramine yellow lb. 2.33 - —
841 Safranine lb. 2.17 - —
865 Nigrosine WSJ 78 lb. .56 - —
922 Methylene blue GXX lb. 1.28 - —
969 Hydron blue R lb. .67 - —
978 Sulphur black T extra lb. .26½- —
1027 Alizarin VI lb. .64 - —
1034 Alizarin red S lb. 2.30 - —
1054 Alizarin saphiro' B lb. 2.40 - —
1078 Alizarin cyanine green lb. 2.42 - —
1085 Alizarin blue black B lb. 2.13 - —
1096 Indanthrene golden orange G, single paste lb. 1.81 - —
double paste lb. 3.62 - —
1099 Indanthrene dark blue BO, single paste lb. 1.45 - —
1101 Caledon jade green lb. 2.52 - —
1106 Indanthrene blue RS, single paste lb. 2.12 - —
double paste lb. 2.13 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype)
1113 Indanthrene blue GCD, double pasie lb. 1.60 - —
1150 Indanthrene olive R, single pas'e lb. 1.08 - —
1151 Indanthrene brown R, single paste lb. 1.65 - —
double paste lb. 3.29 - —
1212 Indanthrene red violet RH, single pasie lb. 1.54 - —
1217 Helindon orange R, single paste lb. 1.57 - —
p-4 Acid anthracine brown FG lb. 2.30 - —
p-14 Anthracene chromate brown EB lb. 1.03 - —
p-24 Benzo fast black L lb. 1.30 - —
p-80 Diazo brilliant scarlet ROA lb. 2.61 - —
p-202 Zambesi black V lb. .90 - —
p-244 Celliton scarlet B lb. 1.37 - —
p-313 Naphthol AS-SW lb. 2.74 - —

Dyes, coaltar, for stains, oil-soluble, 100-lb drms., sellers' works at warehouse.
Black, blue, No. 550 lb. .67 - —
Jet, No. 551 lb. .72 - —
Brown, R, conc lb. 1.14 - —
Orange R, brilliant lb. .73 - —
Red, 4 B conc lb. 1.13 - —
Yellow, C lb. .96 - —
FN, conc lb. 1.00 - —

Dyes, coaltar, for stains, spirit-soluble, same basis:—
Auramine, O lb. 1.54 - —
Black, basic, blue lb. 1.00 - —
Jet lb. 1.00 - —
Blue, methylene, 2 B, conc lb. 1.33 - —

Dyes, coaltar, for stains, spirit-soluble, same basis:—
Brown, Bismarck, R, conc lb. .70 - —
Chrysodine, R, extra lb. .50 - —
Y, extra lb. .54 - —
Fuchsine, conc lb. 2.63 - —
Green, malachite, conc lb. 1.70 - —
Rhodamine, B lb. 4.57 - —
Safranine, Y, conc lb. 2.19 - —
Violet, methyl, B lb. .99 - —

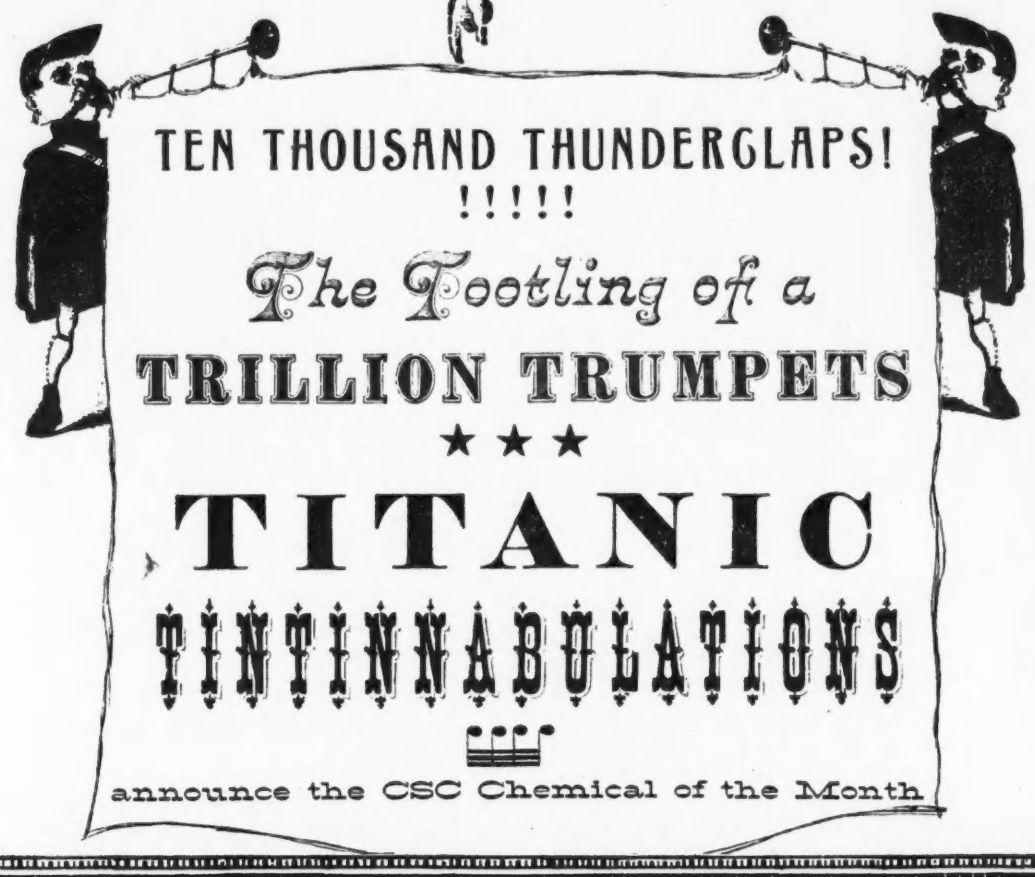
Dyes, coaltar, for stains, water-soluble, same basis:—
Black, acid blue, B, extra lb. .67 - —
Orange, acid, Y, conc lb. .40 - —
Rhodamine, azo-R, extra, conc. lb. .79 - —
Scarlet, croceine, MOO lb. 1.28 - —
Yellow, azo-, conc lb. .39 - —
Fast light, 5 G, extra lb. 1.55 - —
Methanil, conc lb. .77 - —

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls lb. .45 - .50
Egg albumen (see Albumen).
Yolk, dried, dom., bbls lb. .91 - 1.00
tanners, bbls lb. .06 - .07
Elder flowers, bright, bls lb. .45 - .50
Elecampane root, bls lb. .27 - .28
Elm bark, grinding, bls lb. .35 - .36
powd., bbls., bxs lb. .48 - .50
select, budfs lb. .65 - .70
Emetine hydrochloride, bots oz. 42.50 -48.00

CSC MAMMOTH CHEMICAL CIRCUS



BUTYL STEARATE

STABLE! OLEAGINOUS! COLORLESS! ODOR FREE!

SPECIFICATIONS

Specific Gravity: 0.855 to 0.860 at 25°C./20°C.
Acidity: Less than 0.5%, calculated as stearic acid.
Water: No turbidity when one volume is mixed with 19 volumes of 60° Bé. gasoline at 20°C.

PROPERTIES

Molecular Weight: 340.58.
Distillation Range: 220°C. to 225°C. at 25 mm. of mercury.
Flash Point: 187.8°C. (370°F.).
Weight per U.S. Gallon: 7.14 pounds at 68°F.

!! USES !!

Popular plasticizer for laminated fibers, synthetic rubber, and special lacquers!... Of particular value in polishes and polished coatings! ...Widely-used ingredient of lubricating oils! . . . A useful lubricant in textile and molding operations!...An efficient waterproofing agent! . . . Imparts smoothness and "feel" to cosmetics and pharmaceutical products!

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CSC

Ephedra Herb—Gentian Root

Ephedra herb, bls. ..... lb. .20 - .21
Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs. oz. .84 - —
hydrous, bots., 100 ozs. ..... oz. .78 - —
Hydrochloride, tin, 100 ozs. ..... oz. .60 - —
Sulphate, cryst., tins, 100 ozs. oz. .57 - —
powd., tins, 100 ozs. ..... oz. .58 - —
Epichlorohydrin, dms., c.l., works. lb. .36½ - —
l.c.l., works ..... lb. .37 - —
tanks, works ..... lb. .35 - —
Epinephrine, synth., USP, bots. gram .60 - .70
Epsom salt, tech., bgs., c.l. ..... 100 lbs. 2.30 - —
l.c.l. ..... 100 lbs. 3.05 - —
USP, cryst., bgs., c.l. ..... 100 lbs. 2.50 - —
l.c.l., 5,000 lbs., 1 withdrawal, 100 lbs 3.25 - —
smaller lots ..... 100 lbs. 3.50 - —
Epsom salt prices freight equalized: Baltimore, Carteret, N. J.; Chicago, Cincinnati, Cleveland, Midland, Mich.
Ergot, USP, cns. ..... lb. 1.20 - 1.25
Eserine, bots. ..... oz. 55.00 - 56.00
Sulphate, bots. ..... oz 60.00 - 61.00
Ether, acetic (see Ethyl acetate).
Amyl, dms., c.l., works. ..... lb. .095 - —
l.c.l., works ..... lb. .102 - —
tanks, works ..... lb. .085 - —
Butyl, dms., c.l., divd. ..... lb. .50½ - —
l.c.l., divd. ..... lb. .51 - —
tanks ..... lb. .29 - —
Butyric (see Ethyl butyrate).
Ether, dichloroethyl, purif., dms., works. lb. .16½ - —
l.c.l., same basis ..... lb. .17 - —
tanks, same basis ..... lb. .15 - —
Ethyl (see Ether, sulphuric).
Isopropyl, dms., c.l., divd. ..... lb. .06 - —
l.c.l., divd. ..... lb. .06½ - —
tanks, divd. ..... lb. .04½ - —
Nitrous, conc., bots., 100 lbs. ..... lb. .98 - 1.10
Sulphuric, conc., oms. ..... lb. .18 - .23
USP, anesthesia, hospital, cns. lb. .75 - 1.05
synthetic, dms., c.l., frt. alld. lb. .13½ - —
l.c.l., same basis ..... lb. .14½ - —
tanks, same basis ..... lb. .12 - —
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld. lb. .17½ - —
l.c.l., frt. alld. ..... lb. .18½ - —
tanks, frt. alld. ..... lb. .16 - —
95-98%, dms., c.l., frt. alld. lb. .17¾ - —
l.c.l., frt. alld. ..... lb. .18¾ - —
tanks, frt. alld. ..... lb. .16¾ - —
99%, dms., c.l., frt. alld. ..... lb. .18 - .18¼
l.c.l., frt. alld. ..... lb. .19 - .19¼
tanks, frt. alld. ..... lb. .16½ - .16¾
NF, dms. ..... lb. .20 - —
synthetic, 85-90%, dms., c.l., frt. alld. lb. .15½ - —
l.c.l., frt. alld. ..... lb. .14½ - —
tanks, frt. alld. ..... lb. .12 - —
95-98%, dms., c.l., frt. alld. lb. .13% - —
l.c.l., frt. alld. ..... lb. .14½ - —
tanks, frt. alld. ..... lb. .12¾ - —
99%, dms., c.l., frt. alld. ..... lb. .14¼ - —
l.c.l., frt. alld. ..... lb. .15¼ - —
tanks, divd. ..... lb. .12¾ - —
Ethyl acetoacetate, dms., c.l., works. lb. .41½ - —
l.c.l., works ..... lb. .42½ - —
tanks, works ..... lb. .40½ - —
Benzoate, bots. ..... lb. .60½ - .66
Betaethoxypropionate, dms., works. lb. .70 - —
Bromide, tech., 98%, dms. ..... lb. .36 - .40
Butyrate, bgs. ..... gal. 4.75 - —
cns., works ..... lb. .65 - .70
dms., works ..... lb. .60 - —
Carbamate, dms., divd. E. ..... lb. .58 - —
Chloride, tech., tanks ..... lb. .13½ - —
USP, bbls., cyl. ..... lb. .20 - .22
Cinnamate, cns. ..... lb. 2.50 - 3.00
Formate, dms. ..... lb. .38 - —
Iodide, bots. ..... lb 4.08 - 4.27
Lactate, dms., works ..... lb. .41 - —
Methycrylate, M 2, dms., works. lb. .60 - —
cns., works ..... lb. .63 - .67
P-2, cns., works ..... lb. .65 - —
Myristate, dms., works ..... lb. No prices
Oenanthate, dms ..... lb. 2.60 - 3.25
Oleate, dms., l.c.l., works ..... lb. .75 - —
Oxalate, dms., frt. alld ..... lb. .33 - —
Silicate, dist. (see Tetraethyl orthosilicate)
40% available SiO_2, dms., works. lb. .50 - —
Ethylaiphanaphthylamine, bbls. ..... lb. .80 - —
Ethylanillin, dms. ..... lb. .60 - —
Ethylcellulose fib. dms., 5,000 lbs., works. lb. .52 - —
smaller lots, works ..... lb. .54 - .62
Ethyldietnanolamine, dms., l.c.l., works lb. .80 - —
Ethylene dichloride, dms., c.l., works frt. alld. E. of Rockies. lb. .09 - —
W of Rockies ..... lb. .09½ - —
l.c.l., works, frt. alld. E. of Rockies. lb. .11¼ - —
W of Rockies ..... lb. .12 - —
smaller containers ..... lb. .12½ - —
tanks, frt. alld. E. Rockies. lb. .08 - —
W of Rockies ..... lb. .08½ - —
Oxide, dms., c.l., works ..... lb. .20 - .21
l.c.l., works ..... lb. .21 - .22
tanks, works ..... lb. .13 - .14
Trichloride (see Trichloroethylene).
Ethylenediamine, tanks, works. lb. .50 - —
Ethyleneglycol, dms., c.l., frt. alld. E lb. .15 - —
l.c.l., same basis ..... lb. .16 - —
tanks, same basis ..... lb. .13½ - —
Diethylether, dms., l.c.l., works. lb. .50 - —
Monobutylether, dms., c.l., works. lb. .21½ - —
l.c.l., works ..... lb. .22 - —
tanks, works ..... lb. .20 - —
Monoethylether, dms., c.l., works. lb. .18 - —
l.c.l., works ..... lb. .18½ - —
tanks, works ..... lb. .16½ - —
Monoethylether acetate, dms., c.l., works. lb. .16½ - —
l.c.l., works ..... lb. .17 - —
tanks, works ..... lb. .15 - —
Monomethylether, dms., c.l., works. lb. .19½ - —
l.c.l., works ..... lb. .20 - —
tanks, works ..... lb. .18 - —
Monomethylether acetate, dms., c.l., works. lb. .24½ - —
l.c.l., works ..... lb. .25 - —
tanks, works ..... lb. .23 - —
Ethylethanolamines, mixed, dms., c.l., works. lb. .32 - —
l.c.l., works ..... lb. .33 - —
Ethylmonoethanolamine, l.c.l., dms., works. lb .80 - —
Ethylmorphine, hydrochloride, bots oz. 11.85 - —
Ethylorthotoluidine, bbls. ..... lb .80 - —
Ethylvanillin, cns., 5 lbs or more. lb 6.75 - —
smaller lots ..... lb 6.80 - 6.90
Eucalyptol, USP, cns., dms. ..... lb. 1.85 - 4.00
Eucalyptus leaves, bls. ..... lb. .12 - .13
Eugenol, prime USP ..... lb. 1.85 - 2.25
Euphorbia, pil., herb, bls. ..... lb. .15 - .16

F

Feldspar, enamel, 100 mesh bgs., works. ton 17.00 - 20.70
bulk, c.l., works ..... ton 14.00 - 17.50
Glass, 20 mesh bgs., tons, works. ton 12.75 - 16.25
bulk, c.l. ..... ton 9.75 - 12.25
Feldspar, pottery, bulk, c.l., works. ton 17.00 - 19.00
bgs., l.c.l., 2 tons, works ..... ton 20.00 - 22.00
Fennel seed, Argentine, bgs. ..... lb. .08½ - .09
Indian, bgs. ..... lb. .11 - .11½
Fenugreek, domestic, bgs. ..... lb .10 - .10½
Indian bgs ..... lb. .10 - .10¼
futures, bgs. ..... lb. .09½ - .10
Moroccan, bgs., futures ..... lb. .09 - .09¼
Ferric sulphate (see iron sulphate ferric)
Film scrap, colored, cs., works. ..... lb. .13 - —
water-white, cs., works ..... lb. .14 - —
Fir balsam, Canada, cns. ..... gal. 32.50 - 33.00
Oregon, bbls ..... gal. 2.25 - 2.50
Fishberries, bgs ..... lb .24 - .25
Fishliver oil (see Oil, fishliver).
Fishmeal, ground, 60% protein, bgs., Baltimore area. ton 120.00 - —
65% protein, bgs., Baltimore area. ton 125.00 - —
Fishscrap, dried, 60% protein, bulk, Baltimore area. ton 110.00 - 115.00
Flaxseed, black, bgs. ..... lb. .30 - .35
Blonde, bgs ..... lb. .22 - .23
Husks, bgs. ..... lb .65 - .70
Fluorspar, acid grade, bgs., c.l., mines. ton 17.50 - —
l.c.l., mines ..... ton 19.50 - —
bulk, contract, c.l., mines. ton 12.00 - —
noncontract c.l., mines. ton 15.00 - —
l.c.l., mines ..... ton 17.00 - —
ceramic grade, No 1, ground, 90-92% CaF_2, bulk, c.l., mines, net ton 39.00 - 41.00
washed gravel, 70% or more, CaF_2 bulk, c.l., mines. ton 35.00 - 37.00
65%, bulk, c.l., mines. ton 34.00 - 36.00
60%, bulk, c.l., mines. ton 33.00 - 35.00
less than 60%, bulk, c.l., mines. ton 32.00 - 34.00
Formaldehyde, inhibited, bbls., c.l., works. lb. .0625 - —
l.c.l., works ..... lb. .0715 - —
dms., extra, c.l., works. ..... lb. .0595 - —
l.c.l., works ..... lb. .0665 - —
tanks, works ..... lb. .0420 - —
tanktrucks, divd., N.Y.C. ..... lb. .0445 - —
uninhibited, tanks, works. ..... lb. .0360 - —
Fringetree bark, bls. ..... lb. .33 - .35
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines. ton 30.00 - —
Tex., mines ..... ton 27.00 - —
spent, bulk, Bayonne ..... ton. 2.00 - 4.00
imp., bgs., c.l. ..... ton 30.00 - 40.00
Furfural, tech., dms., c.l., works. lb. .12 - —
l.c.l., works ..... lb. .14 - —
tanks, works ..... lb. .09½ - —
Fusel oil, refined, dms., c.l. ..... lb. .29½ - —
l.c.l. ..... lb. .30½ - —
tanks ..... lb. .28 - —
Fustic extract, cryst., No. 1, bbls., l.c.l. lb. .42½ - —
No. 1A, bbls., l.c.l. ..... lb .41½ - —
No. 2, bbls., l.c.l. ..... lb .40½ - —
No. 3, bbls., l.c.l. ..... lb. .38½ - —
liquid, No. 0, bbls., l.c.l. ..... lb. .22 - —
No. 1, bbls., l.c.l. ..... lb. .20½ - —
No. 2, bbls., l.c.l. ..... lb. .19½ - —
No. 3, bbls., l.c.l. ..... lb. .17 - —
solid, No 1, bxs., l.c.l. ..... lb .28 - —

G

G salt, bbls. ..... lb. .09 - —
Galangal root, bls. ..... lb. .13 - .14
Gambier, plantation, bgs., ex dock. lb. .21 - .23
Extract, bbls. ..... lb. No stocks
Gammapicoline, 95%, dms., c.l., works. lb 1.35 - —
Gasoline, at refinery, ex tax, Arkansas, 73-75 octane, tanks. gal. .1075 - —
Bayonne, 74 octane, tanks. ..... gal. .110 - —
Gulf coast, 73-75 octane, tanks. gal. .100 - .11
Group 3, 73-75 octane, tanks. gal .103 - .1275
Pennsylvania, western, U. S. motor, 74 octane, leaded tanks. gal. .1175 - .12
natural, 26-70, octane, group 3, tanks. gal. .085 - —
Gelatin, silver label, ctns., divd. ..... lb 1.25 - —
export, cs ..... lb 1.35 - —
Gelatin prices 2c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash., Wyo
Gelsemium root, bls. ..... lb. .35 - .40
Gentian root, bls. ..... lb. .14 - .15
Gentian root, bls. ..... lb. .17 - .18
grd., bbls., bxs. ..... lb. .18 - .19
powd., bbls., bxs. ..... lb.

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Celanese* Glacial Acetic Acid, with a purity greater than 99.5%, is now being made available to a much greater portion of American industry. The high quality of this chemical makes it ideally suited for applications in pharmaceuticals, textile treatment and in organic syntheses. This versatile acid is also used in the production of acetate esters for the varnish and lacquer industries.

Water Content	0.5% by weight, maximum
Freezing Point	15.6° C., minimum
Specific Gravity	1.050 to 1.055 @ 20/20° C.
Color	Water White
Formic Acid Content	0.2% by weight, maximum
Non-Volatile Matter	0.001% by weight, maximum
Iron Content	1.0 PPM by weight, maximum

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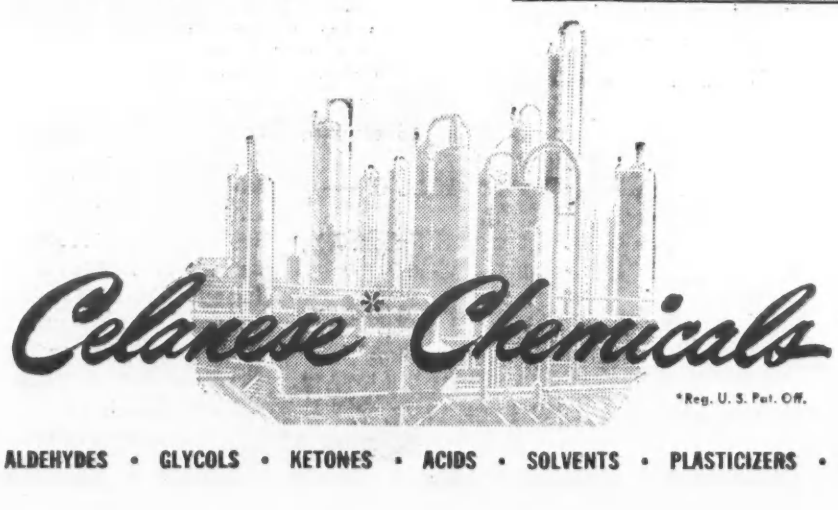

Celanese* Chemicals

*Reg. U. S. Pat. Off.

ALCOHOLS • ALDEHYDES • GLYCOLS • KETONES • ACIDS • SOLVENTS • PLASTICIZERS • INTERMEDIATES

Geraniol, 92-96%, ens., dms.....lb. 3.10 - —
prime .....lb. 2.50 - —
Geranyl acetate, ens. .....lb. 3.15 - 3.30
Ginger, oleoresin, bots.....lb. .15½ - .16
Root, African, bls. .....lb. No stocks
Cochin, bleached, bgs.....lb. .22½- .23
unbleached, bgs. .....lb. No stocks
Jamaica, No. 1 bgs.....lb. .24½- .25
No. 2, bgs. .....lb. .23½- .24
No. 3, mixed.....lb. .22 Nom.
Rhatton, bgs. .....
Glauber's salt, anhyd. (see Soda sulphate).
crystal, bgs., works.....100 lbs. 1.25 - 1.75
l.c.l., bgs., works.....100 lbs. 1.75 - 2.10
Glue, bone, calcium type, 21 millipoise, 40 jellygrams, bgs., c.l., East of Midwest...lb. .23 - —
50-90, bgs., c.l., same basis...lb. .25 - —
95-145, bgs., c.l., same basis...lb. .27 - —
145-180, bgs., c.l., same basis...lb. .28 - —
Bone glue, l.c.l. prices, 1c. higher than c.l.
ground, 40-45 jellygrams, bgs., c.l., (50,000 lbs.), dlvd...lb. .23 - —
l.c.l., same basis.....lb. .24 - —
pulverized, 40 jellygrams, bgs., c.l., (50,000 lbs.), same basis...lb. .25½- —
l.c.l., same basis.....lb. .26½- —
Hide, 100-121 jellygrams, bgs., c.l., dlvd...lb. .25 - .28
122-149, bgs., c.l., dlvd.....lb. .26 - .29
150-177, bgs., c.l., dlvd.....lb. .27 - .30
178-206, bgs., c.l., dlvd.....lb. .28 - .32
207-236, bgs., c.l., dlvd.....lb. .30 - .33
237-266, bgs., c.l., dlvd.....lb. .31 - .34
267-298, bgs., c.l., dlvd.....lb. .32 - .35
299-330, bgs., c.l., dlvd.....lb. .33 - .36
331-362, bgs., c.l., dlvd.....lb. .34 - .37
363-394, bgs., c.l., dlvd.....lb. .35 - .38
395-427, bgs., c.l., dlvd.....lb. .36 - .39
428-459, bgs., c.l., dlvd.....lb. .37 - .40
460-494, bgs., c.l., dlvd.....lb. .38 - .41
495-529, bgs., c.l., dlvd.....lb. .40 - .43
Hide glue l.c.l. prices 1c. higher than c.l.; bbls., 1c. more than bgs.
Glycerin, crude, saponification, 88% to refiners, tanks, dlvd...lb. .28 - .30
soaplye, 80% tanks, dlvd.....lb. .27 - .31
dynamite, dms., c.l., dlvd.....lb. .39½- .40½
l.c.l., dlvd. .....lb. .40 - .40½
tanks, dlvd. .....lb. .39½- .40½
high gravity, dms., c.l.....lb. .40 - .40½
l.c.l. .....lb. .39½- .40
tanks .....lb. .39½- .41½
refined, BP, 98%, dms., c.l.....lb. .39½- .41½
tanks .....lb. .39½- .41½
USP, 95%, dms., c.l.....lb. .40 - .41½
l.c.l. .....lb. .39½- .40½
tanks .....lb. .39½- .40½
yellow, distilled, dms., c.l.....lb. .39½- .40½
l.c.l .....lb. .39½- .40½
Glycine USP (see Acid, aminoacetic).
Glycol boriborate, dms.....lb. .22 - —
Stearate, dms. .....lb. .25 - —
Gold chloride, acid-brown, bots.....oz. 22.00 -22.25
acid-yellow, bots. .....oz. 20.00 -20.25
Gold of pleasure seed, bgs.....lb. .40 - .41
Golden seal root, bls. .....lb. 5.00 - 5.25
powd., bxs. .....lb. 5.25 - 5.50
Gold-sodium chloride, photo, bots..oz. 13.50 -14.00
USP IX, bots.....oz. 14.50 -15.00
Grains of paradise, bgs. .....lb. .33 - .34
Graphite, imported, amorph., powd., bgs., dlvd...lb. .04 - .06
crystalline, 88-90%, powd., bgs., ex whse...lb. .14 - .16
90-92%, powd., bgs., ex whse. lb. .16 - .19
97%, powd., bgs., ex whse....lb. .22 - .25
flake, No. 1, 90-95%, bgs., cottas, ex whse...lb. .21 - .22
No. 2, whse. .....lb. .20 - —
Grease, house, loose.....lb. .10½- —
White, choice, loose.....lb. .13½- —
Wool (see Degras and Lanolin).
Yellow, loose.....lb. .10½- —
Green, brilliant, thioflavin, toner, methylene, hydrochloride, works...lb. 4.25 - 4.50
Tungstic, kgs., works.....lb. 4.25 - 4.50
Chrome, CP, dark, light, medium, fine content up to 5%, bbls., dlvd. N. of Tenn. and N.C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis...lb. .34½- —
6-10%, bbls., same basis...lb. .35½- —
11-15%, bbls., same basis...lb. .36½- —
16-20%, bbls., same basis...lb. .37 - —
21-25%, bbls., same basis...lb. .38 - —
26-30%, bbls., same basis...lb. .38½- —
31-35%, bbls., same basis...lb. .38 - —
36-40%, bbls., same basis...lb. .41 - —
41-45%, bbls., same basis...lb. .42½- —
46-50%, bbls., same basis...lb. .44½- —
51% and over, bbls., same basis...lb. .45½- —
reduced color, 5%, bbls. same basis. lb. .30 - —
6-10%, bbls., same basis...lb. .30½- —
11-13%, bbls., same basis...lb. .31½- —
14-16%, bbls., same basis...lb. .32 - —
17-19%, bbls., same basis...lb. .32½- —
20-21%, bbls., same basis...lb. .32½- —
22-23%, bbls., same basis...lb. .32½- —
24-25%, bbls., same basis...lb. .33 - —
26-27%, bbls., same basis...lb. .33½- —
28-29%, bbls., same basis...lb. .34 - —
30-31%, bbls., same basis...lb. .35 - —
32-33%, bbls., same basis...lb. .36½- —
34-35%, bbls., same basis...lb. .37½- —
36-40%, bbls., same basis...lb. .39 - —
41-45%, bbls., same basis...lb. .39½- —
46-50%, bbls., same basis...lb. .39½- —
51-55%, bbls., same basis...lb. .39½- —
56-60%, bbls., same basis...lb. .24 - —
61-65%, bbls., same basis...lb. .25 - —
66-70%, bbls., same basis...lb. .26½- —
Chrome green prices are ½c. higher div'd Ala., Fla., Ga., La. (Shreveport, 1½c.). Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher div'd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Green, chromium oxide, hydrated, bbls., works...lb. .55 - 1.60
pure, bgs., frt. alld.....lb. .33 - .40
Malachite, thioflavin toner, molybdic, bbls., works...lb. 3.00 - —
Tungstic, bbls., works.....lb. 3.40 - —
Paris (see P).
Phthalocyanin toner, bbls., works.lb. 4.40 - 5.00
Tungstated, brilliant, kgs.....lb. 3.00 - 4.00
Emerald, kgs.....lb. 2.60 - —
Verdigris (see V).
Dyes (see Dyes, coaltar).
Grindelia robusta herb, bls.....lb. .25 - .30
Guaiac resin, cs.....lb. .48 - .49
Wood, bls. .....lb. .35 - .36
Guaiacol, cryst., NF, tins.....lb. No Prices
liquid, NF, bots., clys.....lb. 1.90 - 1.95
Carbonate, NF, dms.....lb. 2.95 - 3.00
Guarana, powd., cs. .....lb. 2.00 - 2.10
Gum, accroides (see Gum, yacca).
Aloe (see A.)
Ammoniac, tears, cs.....lb. .90 - .95
Arabic, amber, sorts, bgs.....lb. .14 - .14½
white, sorts, 1, bgs.....lb. .28 - .29
powdered, USP, bbls. .....lb. .20½- .21
Asafetida (see A).
Asphalthum (see A).
Benzoin, Sumatra, cs.....lb. .40 - .45
Camphor (see C).
Gum, copal, Congo, No. 1, bgs.....lb. .25 - .27
No. 2, bgs.....lb. .20 - .22
No. 3, bgs.....lb. .16½- .17½
Manilla DBB, bgs. .....lb. .20 - .21
MA, bgs. .....lb. .18 - .19
Inhe C, bgs .....lb. .26 - .27
Philippine, 1st quality, bgs. .....lb. .24 - .26
2nd quality, bgs. .....lb. .19 - .21
3rd quality, bgs. .....lb. .16 - .18
Dammar, Batavia, AE, cs.....lb. 24½- .26½
E, cs. .....lb. .17½- .18½
Singapore, No. 1.....lb. .28 - .29
No. 2, cs .....lb. .23 - .24
East Indm, black, bold, bgs. ...lb. .13 - .14½
Batu, bold, bgs. .....lb. .10 - .11½
nubs, bgs.....lb. 08½- .09½
Elemi, cns. .....lb. .24 - .26
Ester, gum-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va.....lb. .17 - .17¾
wood-rosin type, dms., c.l., dlvd. Ill., Ind., etc..lb. .17 - .17¾
Euphorbium, cs.....lb. .50 - .55
Galbanum, cs. .....lb. .98 - 1.00
Gamboge, pipe, cs.....lb. 1.70 - 2.00
powd., bbls. .....lb. 1.95 - 2.25
Ghatti, No. 2, bgs.....lb. .35 - .37
No. 3, bgs. .....lb. .31 - .33
Guaiac (see Guaiac resin).
Karaya, No. 1.....lb. .48 - .49
No. 2.....lb. .40 - .44
No. 3.....lb. .34 - .35
No. 4.....lb. .31 - .32
No. 5.....lb. .29 - .30
No. 6.....lb. .27 - .28
Kauri, bgs. .....lb. 31½- .32¾
Locust bean, powd., bgs.....lb. .35 - .37
Mastic, cs. .....lb. 2.25 - —
Myrrh, cs. .....lb. .35 - .38
Olibenum, siftings, cs.....lb. .12 - .13
tears, cs. .....lb. .22 - .38
Gum, opium (see O).
Red (see Gum, yacca).
Resin (see R).
Sandarac, cks .....lb. 1.20 - 1.45
Scammony, cs.....lb. 1.50 - 1.55
Sterculia (see Gum, karaya).
Talha, bgs. .....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 3.00 - 3.70
No. 2, cs.....lb. 2.20 - 2.25
No. 3, cs.....lb. 2.25 - 2.50
powdered, USP, bbls.....lb. 1.35 - 1.45
Yacca, bgs. .....lb. .06 - .07
Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald...ton. 22.65 - —
Harlem river, N. Y., frt. equald. ton. 22.25 - —
Medicine Lodge, Kan., frt. equald...ton. 17.60 - —
New Brighton, N. Y., frt. equald. ton. 20.65 - —
Southard, Okla., frt. equald. ton. 17.00 - —
Sweetwater, Tex., frt. equald. ton. 21.45 - —
Plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald...ton. 12.50 - —
Blue Rapids, Kans., frt. equald. ton. 10.50 - —
Harlem river, N. Y., frt. equald. ton. 12.00 - —
Medicine Lodge, Kan., frt. equald...ton. 12.50 - —
New Brighton, N. Y., frt. equald. ton. 13.60 - —
Southard, Okla., frt. equald. ton. 12.50 - —
Sweetwater, Tex., frt. equald. ton. 12.50 - —
Gypsum, stucco, paper, bgs., c.l., Acme, Texas, frt. equald...ton. 8.00 - —
Akron, N. Y., frt. equald...ton. 8.00 - —
Blue Rapids, Kans., frt. equald. ton. 8.00 - —
Clarence Center, N. Y., frt. equald...ton. 8.00 - —
Fort Dodge, Iowa, frt. equald. ton. 6.00 - —
Grand Rapids, Mich., frt. equald...ton. 8.00 - —
Gypsum, Ohio, frt. equald...ton. 8.00 - —
Harlem river, N. Y., frt. equald. ton. 8.00 - —
National City, Mich., frt. equald...ton. 8.00 - —
New Brighton, N. Y., frt. equald. ton. 8.00 - —
Plasterco, Ga., frt. equald...ton. 8.00 - —
Portsmouth, N. H., frt. equald. ton. 8.00 - —
Roton, Texas, frt. equald...ton. 8.00 - —
Saltvills, Va., frt. equald...ton. 9.00 - —
Southard, Okla., frt. equald. ton. 8.00 - —
Sweetwater, Texas, frt. equald. ton. 8.00 - —
Terra alba, paper bgs., c.l., Harlem river, N. Y., works...ton. 22.60 - —
New Brighton, N. Y., works... ton. 21.60 - —

H

Hawthorn berries, bgs.....lb. .85 - .87
Heliotropin, cryst., cns.....lb. 3.10 - 3.45
Hellebore, white, powd., bbls.....lb. .40 - .45
Helonias root, bls. .....lb. 1.85 - 1.90

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Sulfadiazine U.S.P.
(powder and micro crystal . . . the Sulfa drug of choice)
Sodium Sulfadiazine U.S.P.
Sulfamerazine U.S.P.
(powder and micro crystal)
Sodium Sulfamerazine U.S.P.
Sulfanilamide U.S.P.
(powder, crystal and micro crystal)
Sulfathiazole U.S.P.
(powder, crystal and micro crystal)
Sodium Sulfathiazole U.S.P.
Sulfapyridine N.F.
Sodium Sulfapyridine
Sulfabenzamide
Sodium Sulfabenzamide
Aminoacetic Acid N.F.
Calcium Pantothenate (Dextro)
Choline Chloride
Choline Dihydrogen Citrate
Cinchophen N.F.
(and Sodium Salt)
Dicoumarol
Folic Acid
Neocinchophen U.S.P.
Mandelic Acid N.F.
Calcium Mandelate U.S.P.
Menadione U.S.P.
Methylene Blue U.S.P.
(powder and crystal)
Nicotinic Acid U.S.P.
Nicotinamide U.S.P.
Nicotinamide HCl.
Pyridoxine HCl.
Saligenin
Propylthiouracil
Phenothiazine N.F.
(Regular and Drench grades for Veterinary use)
Certified Colors for Pharmaceutical and Cosmetic Use

*In keeping with long-established policy, the above products are offered to ethical Pharmaceutical and Veterinary Manufacturers only.

CALCO, in its great plants at Bound Brook, N. J., produces a wider range of SULFA DRUGS than any other manufacturer in the world. In these giant-capacity plants, rigid inspection from laboratories through to finished big-scale production assures a uniform high excellence of quality and an assured source of supply. This is why you will find it advantageous to look to CALCO for these sulfonamides:

SULFADIAZINE USP
"King of the Sulfonamides"
Powder...or...Micro Crystal

Sodium Sulfadiazine USP
Sulfamerazine
Sodium Sulfamerazine
Sulfanilamide USP (powder, crystal, micro crystal)
Sulfathiazole USP (powder, crystal, micro crystal)
Sodium Sulfathiazole USP
Sulfapyridine USP
Sodium Sulfapyridine

Detailed technical bulletins are available on all these products and CALCO'S Technical Application Department will welcome the opportunity to assist you in the development of special formulae.

Represented in Canada by Calco Chemical Division
North American Cyanamid, Limited
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Royal Bank Bldg., Toronto 1, Ontario

Pharmaceutical Department
Calco
REG U.S. PAT. OFF.
CALCO CHEMICAL DIVISION
AMERICAN CYANAMID COMPANY
Bound Brook, New Jersey

Hematine Extract—Methycellulose

Hematine extract, cryst., No. 0, bbls., l.c.l. lb. .45½- —
No. 1, bbls., l.c.l. lb. .44½- —
No. 1A, bbls., l.c.l. lb. .41½- —
No. 2, bbls., l.c.l. lb. .40½- —
No. 3, bbls., l.c.l. lb. .38½- —
No. 4, bbls., l.c.l. lb. .36½- —
No. 5, bbls., l.c.l. lb. .34½- —
paste, No 1, bbls., l.c.l. lb. .19 - —
No. 2, bbls., l.c.l. lb. .18 - —
No. 3, bbls., l.c.l. lb. .17 - —
No. 4, (red), bbls., l.c.l. lb. .12½- —

Hemlock bark extract, 25% tannin, bbls., c.l., works lb. No stocks
tanks, works lb. No stocks

Henbane leaves, bls. lb. .70 - .75

Henna leaves, bls. lb. .21 - .23
powd., bbls., bgs. lb. .25 - .27

Heptane, industrial, tanks, group 3, gal. .12½- .13½

Hexalin (see Cyclohexanol).

Hexamethyl tetraphosphate, cns., works. lb. 1.25 - —
dms., c.l., works lb. .80 - —
l.c.l., works lb. .90 - 1.00

Hexamethylene-tetramine, tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C. lb. .26 - —
smaller lots, same basis lb. .27 - —

USP, dms., 500 lbs. or more, same basis lb. .37 - —
smaller lots, same basis lb. .38 - —

Hexane, industrial, tanks, group 3, gal. .13½- .14½

Hexanol, normal, dms., c.l., works lb. .27½- —
l.c.l., works lb. .28 - —
tanks, works lb. .26 - —

Histidine hydrochloride—l, fib. dms., works, 50 kilos kilo. 120.00 - —
1-5 kilos, kilo. 130.00 - —

Homatropine, hydrobromide, bots. oz. 15.00 -28.00
Hydrochloride, bots. oz. 20.00 -22.00

Hoofmeal, 17-18% ammonia bulk, c.l., Chicago unit-ton 6.50 - 7.00

Hops, NF, bls. lb. .45 - .50

Horehound, bls. lb. .12 - .13

Hydrangea root, bls. lb. .14 - .17

Hydrastine, bots. oz. 53.50 -53.80
Sulphate, bots. oz. 53.50 -53.80

Hydrastinine, 10-grain bots. bot. 1.95 - —

Hydrastis (see Goldenseal).

Hydrofuramide dms., fib. cns., works. lb. .50 - .40

Hydrogen peroxide, USP, bbls. lb. .03¾- .05
27½%, cbys., E. of Miss. or W. coast via Panama Canal lb. .17½- .19½
35%, cbys., same basis lb. .22½- —
dms., c.l., same basis lb. .20½- —
l.c.l., same basis lb. .21½- —
tanks lb. .19¾- —

Hydroquinone, bbls., dms. lb. .90 - .94

Hydroxycitronellal, cns. lb. 6.50 - 7.50

Hyoscine hydrobromide, bots. oz. 34.00 -38.00

Hyoscyamine, bots. oz. 18.00 -20.00
Hydrobromide, bots. oz. 18.00 -19.50
Sulphate, bots. oz. 14.00 -19.50

Hypernic extract, cryst., No 1, bbls., l.c.l. lb. .52½- —
No. 2, bbls., l.c.l. lb. .44½- —
liquid, No. 1, bbls., l.c.l. lb. .28½- —
No. 2, bbls., l.c.l. lb. .23½- —
solid, No. 1, bxs., l.c.l. lb. .41 - —

Hyssop herb, bgs. lb. .45 - .50
Leaves, bgs. lb. .55 - .60

I

Indian red (see Red, Indian).

Indigo, nat., chests lb. 2.14 - 2.80
synth., paste, bots. lb. 16½- .19

Iceland moss, bgs. lb. .40 - .50

Ichthammol, NF, bots. lb. 2.45 - —
powd., bbls. lb. 74½- .85

Indol, CP, bots. lb. 18.00 -23.00

Inositol, tins, dlvd. lb. 5.00 - —

Insect flowers (see Pyrethrum).

Iodine, crude, kgs., ex whse., Staten Island lb. 1.729 - —
resubl., bots., jars lb. 2.35 - 2.45

Iodoform, dms., kgs. lb. 4.30 - 4.74

Ionone, alpha, cns. lb. 5.15 - 6.90
beta, cns. lb. 8.60 -10.00

Methyl (see M).

IPC, bots., 1-5 lbs. lb. 2.68 - 2.72
fib. dms., 100 lbs., ship't point lb. 2.39 - 2.50
50 lbs., ship't point lb. 2.40 - 2.52
10-25 lbs., ship't point lb. 2.50 - 2.54

Ipecac root, bgs. lb. 4.60 - 4.70
powd., bgs. lb. 4.85 - 4.95

Irish moss, bleached, prime, bls. lb. .18 - .19

Iron acetate, liquor, 28°, bbls., c.l., works lb. .09 - —
l.c.l., works lb. .09¾- —
solut., USP IX, cbys. lb. .16 - —
dms. lb. .17 - —

Chloride (ferric), anhydr., tech., dms., c.l., works 100 lbs. 5.75 - —
l.c.l., works 100 lbs. 6.50 - 7.50
cryst., tech., bbls., works 100 lbs. 5.00 - 6.00
l.c.l, bbls, works 100 lbs. 5.50 - 8.00
USP X, lump, l. bbls. lb. .07½- .08
solut., 42 Be, cbys., works, frt. alld. or equald. lb. .06 - .06¼

Citrate, gran., dms. lb. .77 - .79

Glycerophosphate, N.F., powd. lb. 4.35 - —

Hypophosphite, dms. lb. 2.40 - —

Iodide, bots. lb. 3.48 - 3.63

Naphthenate, 6% Fe, dms., dlvd. lb. .21 - —

Nitrate, red, tech., dms. lb. .03½- .04

Oxalate, gran., dms. lb. .83 - .85

Phosphate, soluble, NF, gran., cs. lb. .64 - .65

Pyrophosphate, soluble, NF VII, gran., dms. lb. .69 - .72

Reduced (see Iron by hydrogen).

Resinate, 7.4% Fe, dms. lb. .22 - —

Stearate, dms., c.l. lb. .43 - —
ton lots lb. .44 - —
less ton lots lb. .45 - —

Sulphate (ferric), anhyd., 4gs., c.l., works ton. 52.50 - —
l.c.l., works ton. 57.50 - —
partially hydrated, bgs., c.l., works ton 28.50 - —
(ferrous), tech. (see Copperas).
USP, cryst., bbls., dms. lb. .06½- .10

Iron by hydrogen, kgs. lb. .86 - .85

Iron-ammonium citrate, brown, green, gran., dms. lb. .55 - .58
Oxalate, dms. lb. .25½- .28½

Iron-potassium oxalate fine gran., dms. lb. .30½- .33½

Iron-sodium oxalate, fine gran., dms. lb. .23½- .28½

Isobornyl acetate, cns. lb. .97 - 1.10

Isobutyl acetate, cns. lb. .97 - 1.25
Methacrylate, M-5, dms., works lb. .60 - —
cns., works lb. .63 - .67
P-5, cns., works lb. .60 - —

Propionate, cns. lb. No prices

Thiocyanocetate, dms., c.l., works. gal. 3.85 - —
l.c.l., works gal. 3.85 - 4.05
tanks, works gal. 4.23 - —

Isobutyraldehyde, dms., works lb. .33 - .36

Isoeugenol, extra, cns. lb. 3.20 - 4.00
cbys., extra lb. 3.10 - 3.35

Isopentane, dms., works lb. .45 - .55

Isophorone, dms., c.l., works lb. .23½- —
l.c.l., works lb. .24 - —
tanks, works lb. .22 - —

Isopropanol (see Alcohol, isopropyl).

Isopropyl acetate, dms., c.l., frt. alld, E. of Rockies lb. .13½- —
l.c.l., same basis lb. .14 - —
tanks, same basis lb. .12 - —

Alcohol (see Alcohol, isopropyl).

Ether (see Ether, isopropyl).

Phenylcarbamate (see IPC).

Isopropylamine, dms., works lb. .87 - —

J

Jaborandi leaves, bls. lb. .18 - .20

Jalap root, NF, bls. lb. .47 - .50
powd., bbls., bxs lb. .50 - .60
Resin, powd., bxs lb. 7.15 - 7.25

Juniper berries, bgs. lb. .10 - .16

Tar, USP, dms. lb. .40 - .65

K

Kamala, powd., cns. lb. .38 - .40

Kaolin (see China clay).

Kava kava root, bls. lb. .27 - .28

Kerosene, at refinery: Ark., 42-44 w.w., tanks gal. .09625 - —
Bayonne, 41-43, w w., tanks gal. .103 - —
California, 40-43 w.w., tanks gal. .1115- .1290
Gulf ports, 41-43, w.w., tanks gal. .0925- .095
Okla.-Tex., 41-43, w.w., tanks gal. .0950- .0975
Penn., 45 w.w., tanks gal. .1125- .13
47 w.w., tanks gal. .125 - .13

Kola nuts, bgs. lb. .06¼- .07

Kyanite, imp., low iron content, 10-mesh, whse. ton. 85.00 -95.00
calcined, grain, 10-mesh, whse. ton. 95.00 -105.00

L

Ladyslipper root, bls. lb. 1.65 - 1.70

Lanolin, anhyd., cosmetic, dms., works. lb. .22 - .24
pharmaceutical, USP, dms., works. lb. .20 - .22
hydrous lb. .18 - .20

Lard, cash, tres., Chicago lb. .20½- .21

Larkspur seed, bgs. lb. .35 - .40

Laurel berries, bls. lb. .25 - .26
Leaves, Portuguese, bls. lb. .07¼- .07¾
Greek, bls., futures lb. .08 - .08½
Turkish, bls. lb. .13½- .14

Lavender flowers, medium, bls. lb. .66 - —
ordinary, bls. lb. .20 - .21
select, bls. lb. .70 - .75

Lead acetate, white, crystals, bbls. lb. .25½- —
gran., bbls. lb. .26¼- —
powd., bbls. lb. .26¼- —

Arsenate, dealers, basic powder, 6-lb. bgs. or larger, c.l. lb. .24¾- .25
l.c.l. lb. .25¾- .26
1-lb. bgs., c.l. lb. .34 - —
l.c.l. lb. .35 - .36

Lead arsenate prices are works or whse. basis frt. alld. on 96 lbs. or more to dest. East.

Blue, basic sulphate, bbls., c.l., ship't point, frt. alld. lb. .18¼- —
l.c.l., works lb. .19¼- —

Carbonate (see Lead, white).

Chloride, fib. dms. lb. .49 - —

Iodide, NF V, jars lb. 2.94 - 3.13

Linoleate, solid, 13%, bbls. lb. .38¾- —

Metal, pigs, prime, N. Y. lb. .19½- —
E. St. Louis lb. .1930- —

Metallic paste, dms., 10,000-40,000 lbs., works lb. .27½- —
2,000-10,000 lbs., same basis lb. .28½- —
up to 2,000 lbs., same basis lb. .30 - —

Naphthenate, liquid, 16% Pb, dms., dlvd. lb. .16¾- —
24%Pb, dms., dlvd lb. .23¼- —

Nitrate, bbls., c.l. 100 lbs. .21½- —
l.c.l 100 lbs. .22 - —

Oleate, bbls. lb. .33 - —

Peroxide, powd., tech., bbls. lb. .39 - .41

Red, 95% Pb_3O_4 or less, bbls., c.l., ship't point, frt. alld. lb. .22¼- —
l.c.l., same basis lb. .23¼- —

97% Pb_3O_4 bbls., c.l., same basis. lb. .22½- —
l.c.l., same basis lb. .23½- —

98% Pb_3O_4 bbls., c.l., same basis. lb. .22¾- —
l.c.l., same basis lb. .23¾- —

Resinate, precip., 23.8% Pb, dms. lb. .25 - —

Silicate, bgs., l.c.l., shipt. point, frt. alld. lb. .2015- .2040

Stearate, bbls., c.l. lb. .49 - .52
ton lots lb. .50 - .53
less ton lots lb. .54 - .57

Sulphate (see Lead, blue; Lead, white, basic sulphate).

Tallate, liquid 16% Pb, dms. lb. .14¾- .15¼
solid, 30% Pb, dms lb. .23½- .24

White, basic carbonate, bgs., c.l., ship't point, frt. alld. lb. .20½- —
l.c.l., same basis lb. .21½- —

basic silicate, bgs., c.l., ship't point, frt. alld. lb. .18¼- .23¾
l.c.l., same basis lb. .18¾- .24¾

basic sulphate, bgs., c.l., ship't point, frt. alld. lb. .18¼- —
l.c.l., same basis lb. .19¼- —

Lecithin, edible, tech., bleached, dms., non-ret., c.l., works lb. .16¾- —
l.c.l., same basis lb. .19 - —
unbleached, c.l., same basis lb. .15¾- —
l.c.l., same basis lb. .18 - —

Lemon peel, bls. lb. .25 - .30

Licorice extract, mass, cns. lb. .25 - .30
powd., bbls. lb. .40 - .42

Root, bls. lb. .07 - .08
5-lb. bundles, cs. lb. .40 - .45
powd., bbls. lb. .10½- .11

Lignin extract, tanning grade, bgs., c.l., works lb. .04¾- —

Lime, agricultural, bulk, works. tons. 9.00 - 9.50

Chemical (quicklime), lump, pebble, bulk, Adams, Mass. ton. 9.00 - —
Annville, Pa. ton. 9.00 - —
Bellefonte, Pa. ton. 9.00 - —
Berkeley, W. Va. ton. 9.00 - —
Buffalo, N. Y. ton. 9.00 - —
Carey, Ohio ton. 7.00 - —
Cedar Hallow, Pa. ton. 9.50 - —
Cedar Hallow, Pa. ton. 9.50 - —
Crab Orchard, Tenn. ton. 8.50 - —
Eagle Mountain, Va. ton. 9.00 - —
Farnams, Mass. ton. 9.00 - —
Gibsonburg, Ohio. ton. 9.00 - —
Hannibal, Mo. ton. 8.50 - —
Keystone, Ala. ton. 8.50 - —
Knoxville, Tenn. ton. 8.50 - —
Limedale, Ark. ton. 8.50 - —
Longview, Ala. ton. 9.00 - —
Manistique, Mich. ton. 8.00 - —
Marblehead, Ohio. ton. 8.50 - —
Martinsburg, W. Va. ton. 8.50 - —
Menominee, Mich. ton. 9.00 - —
Mitchell, Ind. ton. 8.00 - —
Newala, Ala. ton. 7.50 - —
Ripplemead, Va. ton. 8.50 - —
Riverton, Va. ton. 8.50 - —
Rockland, Maine ton. 9.00 - —
Scioto, Ohio. ton. 9.50 - —
Sherwood, Tenn. ton. 9.39 - —
Sherwood, Wis. ton. 8.50 - —
Springfield, Mo. ton. 8.00 - —
Woodville, Ohio. ton. 9.50 - —
York, Pa. ton. 9.00 - —

Lime, hydrated, paper bgs., Adams, Mass. ton. 11.50 - —
Annville, Pa. ton. 11.50 - —
Bellefonte, Pa. ton. 11.50 - —
Berkeley, W. Va. ton. 10.00 - —
Buffalo, N. Y. ton. 11.50 - —
Carey, Ohio ton. 9.00 - —
Cedar Hollow, Pa. ton. 11.50 - —
Crab Orchard, Tenn. ton. 11.65 - —
Eagle Mountain, Va. ton. 10.00 - —
Engle, W. Va. ton. 11.50 - —
Farnams, Mass. ton. 11.50 - —
Gibsonburg, Ohio. ton. 9.50 - —
Hannibal, Mo. ton. 9.50 - —
Keystone, Ala. ton. 12.25 - —
Knoxville, Tenn. ton. 11.50 - —
Lefloy, Minn. ton. 10.50 - —
Limedale, Ark. ton. 10.00 - —
Longview, Ala. ton. 12.25 - —
Manistique, Mich. ton. 9.50 - —
Marblehead, Ohio. ton. 10.50 - —
Mitchell, Ind. ton. 10.00 - —
Newala, Ala. ton. 12.25 - —
Petoskey, Mich. ton. 10.00 - —
Port Island, Mich. ton. 9.00 - —
Rapid City, S. Dak. ton. 12.00 - —
Rockland, Maine ton. 9.00 - —
Ripplemead, Va. ton. 10.00 - —
Scioto, Ohio ton. 8.00 - —
Sherwood, Tenn. ton. 12.14 - —
Sherwood, Wis. ton. 10.00 - —
Springfield, Mo. ton. 9.00 - —
Woodville, Ohio. ton. 8.50 - —
York, Pa. ton. 11.50 - —

Spray, paper bgs., Adams, Mass. ton. 11.70 - —
Annville, Pa. ton. 11.50 - —
Bellefonte, Pa. ton. 11.50 - —
Carey, Ohio. ton. 11.00 - —
Engle, W. Va. ton. 11.50 - —
Farnams, Mass. ton. 9.50 - —
Gibsonburg, Ohio. ton. 10.00 - —
Marblehead, Ohio. ton. 10.00 - —
Rockland, Me. ton. 10.00 - —
Scioto, Ohio. ton. 10.00 - —
Woodville, Ohio. ton. 10.00 - —
York, Pa. ton. 11.50 - —

Lime salts (see Calcium).

Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone).

Limestone, grd., bulk, works. ton. 1.40 - —

Linalool, ex bois de rose lb. 4.50 - 6.85
ex lignaloe wood lb. 6.50 - 7.00

Linalyl acetate, ex bois de rose, bots. lb. 4.35 - 7.20
ex lignaloe wood, bots. lb. 8.25 - 8.40
ex petitgrain, bots. lb. 5.10 - 6.35

Linden flowers with leaves, bls. lb. .28 - .30
without leaves, bls. lb. .24 - .26

Linseed meal, 34% bulk, Midwest mills. ton. 59.00 -60.00

Litharge, com'l, powd., bbls., c.l., ship't point, frt. alld. lb. .21¼- —
l.c.l., same basis lb. .22¼- —

Lithium bromide, bbl., works, frt. equald. lb. 1.90 - —
Carbonate, NF, bbls., kgs. lb. 1.10 - 1.15
Chloride, dms. lb. 1.15 - 1.65
Citrate, bbls., dms., kgs. lb. 1.30 - 1.45
Fluoride, bbls. lb. 1.95 - —
Hydroxide, dms. lb. 1.15 - 1.25

Lithopone, ordinary, ogs., c.l., ship't point lb. .06¾- —
l.c.l., same basis lb. .06¾- .06¾
Titanated (high-strength), bgs., c.l. lb. .08¼- —
smaller lots lb. .08½- —
Lithopone prices, Pacific Coast, ¾c. per lb. higher.

Liverwort leaves, bls. lb. .85 - .90

Lobelia herb, bls. lb. .65 - .70

Lobeline sulphate, bots., works. oz. 25.50 -38.00

Logwood extract, crystals, No. 1, bbls., l.c.l. lb. .88½- —
No. 2, bbls., l.c.l. lb. .36½- —
liquid, No. 1, bbls., l.c.l. lb. .18½- —
No. 2, bbls., l.c.l. lb. .17½- —
No. 3, bbls., l.c.l. lb. .17 - —
No. 4, bbls., l.c.l. lb. .16½- —
solid, No. 1, bxs., l.c.l. lb. .33 - —
No. 2, bxs., l.c.l. lb. .31 - —
No. 3, bxs., l.c.l. lb. .28½- —
No. 4, bxs., l.c.l. lb. .28 - —
No. 5, bxs., l.c.l. lb. .26½- —
No. 6, bxs., l.c.l. lb. .44½- .49¼

Lovage root, imp., bls. lb. 1.20 - 1.25

Lupulin, tins lb. 1.95 - 2.00

Lycopodium, cs. lb. 1.95 - 2.50

M

Mace, No. 1, Siauw, cs. lb. 1.24 - 1.26
East Indian, bgs., futures lb. 1.20 - 1.22
Papua, bgs., futures lb. 1.15 - 1.20
West Indian, bgs. lb. 1.30 - 1.35
broken lb. 1.10 - 1.15

Madder, Dutch, bgs. lb. .29 - .32

Magnesia, calcined, tech., bbls., works. lb. .29 - —
USP, bbls. lb. .31 - .33

Magnesium arsenate, bgs., cans, works. lb. .20 - .30

Bromide, dms. lb. .90 - 1.00

Carbonate, tech., bgs., c.l., frt. equald. lb. .08 - —
l.c.l., frt., alld. lb. .09 - —
bbls., c.l., frt. equald. lb. .09¼- —
l.c.l., frt. alld. lb. .10¼- —
kgs., c.l., frt. equald. lb. .10½- —
l.c.l., frt. alld. lb. .11½- —
USP, bgs., c.l., frt. equald. lb. .09¾- —
l.c.l., frt. alld. lb. .10¾- —
bbls., c.l., frt. equald. lb. .10¼- —
l.c.l., frt. alld. lb. .11¼- —
kgs., c.l., frt. equald. lb. .11½- —
l.c.l., frt. alld. lb. .12½- —

Magnesium carbonate is quoted frt. alld. to N. J., except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean, and Salem counties, and to Phila. county, Pa. Frt. equald, with N. Y. C. on all other destinations.

Chloride, anhyd., bbls., works. lb. .12¾- —
flake, bbls., c.l., works ton. 40.00 - —
l.c.l., works ton. 44.00 -46.00

Fluoride, bbls. lb. .20 - .23

Hydroxide, medicinal, bbls., dms., kgs. lb. .29 - .30

Hypophosphite, dms. lb. 1.50 - —

Laurate, bbls. lb. .46 - .47

Metal, 98.8%, ingots, cs., works. lb. .20½- —
sticks, cs. lb. .34 - .38

Oleate, precip., bbls. lb. .40½- —

Oxide (see Magnesia, calcined).

Peroxide, 15%, dms., works lb. 1.00 - 1.05

Phosphate, tribasic, NF, bbls. lb. .70 - .77

Silicate (see Talc).

Silicofluoride, bbls., works lb. .10 - —

Stearate, cbys., 2,000 lbs. to c.l. lb. .46 - —
smaller lots lb. .47 - —

Sulphate (see Epsom salt).

Trisilicate, dms., 1,000-lb. lots lb. .37 - —
smaller lots lb. .42 - —

Magnesite, chemical grade, bgs., c.l., mines, Calif. ton. 60.00 - —

dead-burnt, bulk, c.l., Chewalan, Wash. ton. 27.00 - —

Maleic anhydride, dms., c.l. lb. .30 - —
l.c.l. lb. .31 - —

Malva flowers, black, bls. lb. No stocks
Blue, bls. lb. 1.25 - 1.30

Leaves, bls. lb. .40 - .42

Manaca root, bls. lb. .49 - .50

Mandrake root, bls. lb. .40 - .45

Manganese acetate, dms. lb. .25½- —

Arsenate, bgs. lb. .12 - .12½

Borate, tech., bbls. lb. .16 - .18

Carbonate, bbls. lb. .19 - —

Chloride, anhyd., dms., works lb. .18 - .19

Manganese dioxide, African, battery, 84%-87%, bbls., 28-40 tons, works ton. 74.00 - —
smaller lots, works ton. 77.00 -82.00
burlap bgs., c.l., works ton. 71.75 - —
l.c.l., works ton. 74.75 -79.75
paper bgs., c.l., works ton. 70.00 - —
l.c.l., works ton. 73.00 - —
85-90%, bbls., c.l., works ton. 74.00 - —
smaller lots, works ton. 77.00 -82.00

Glycerophosphate, fib. dms. lb. 4.25

Hypophosphite, NF, dms. lb. 1.80

Hydrate, bbls., dlvd. lb. .26

Iodide jars lb. 5.65 - —

Linoleate, liquid, 4.35% Mn, dms. lb. .26¼- —
solid, precip., 8.2% Mn, bbls. lb. .41½- —

Metal, cs., dlvd. East lb. .30 - .32

Naphthenate liquid, 6% Mn, dms. lb. .22½- —

Oleate, fused, bbls. lb. .44¾- —

Resinate, fused, 3½% Mn, bbls. lb. .09 - .10½
precip., dms. lb. .16 - —

Sulphate, fertilizer grade, 65%, bgs., c.l., dlvd. S. E. ton. 60.00 - —
l.c.l., dlvd. S. E. ton. 67.00 - —
feed grade, 80%, bgs. lb. .05¼- .07
75%, bgs., c.l., dlvd. S. E. ton. 68.50 - —
l.c.l., same basis ton. 75.50 - —

Tallate, liquid, 4% Mn, dms. lb. No prices, solid, 8% Mn, dms. lb. No prices

Mangrove bark, E. Africa, 38% tannin, c.l., ex dock ton. 66.00 - —

Manna, flake, large, cs. lb. 1.40 - 1.45
small, cs. lb. .80 - .85

Mannitol, com'l, bbls., works lb. .38 - .43
reagent, cs., works lb. .85 - —

Marjoram, Argentine, bls. lb. .14 Nom.
Chilean, bls. lb. .18¼- .19
French, bls. lb. .32 - .32½

Matico leaves, bls. lb. .25 - .28

Menadione, USP, bots., works gram. .10 - —

Menthol, natural, USP, Brazilian, cns. lb. 9.10 - 9.25
synthetic, tech., cns. lb. 6.00 - 6.40
USP, laevo, cns. lb. 8.90 - 9.95

Menthyl salicylate, tins lb. 4.25 - 4.35

Mercury bichloride (see Corrosive sublimate).
Bisulphate, dms. lb. 2.13 - 2.15
Chloride (see Calomel).
Cyanide, cryst., powd. lb. 3.27 - 3.32
Iodide, red, NF dms. lb. 4.17 - —
Yellow, NF, fib. dms. lb. 4.27 - —
Metal (see Quicksilver).
oxide, red, NF (see Red precipitate), yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms. lb. 2.44 - 2.46

Mesityl oxide, dms., c.l., dlvd. lb. .13 - —
l.c.l., dlvd. lb. .13½- —
tanks, dlvd. lb. .11½- —

Metachloranilin, dms., works. lb. .75 - —

Metacresol, 98%, dms., works lb. .65 - .80

Metanitroparatoluidin, bbls. lb. 1.28 - 1.33

Metaphenylenediamine, kgs. lb. .75 - —

Metatoluidine, bbls., works lb. .80 - —

Metatolylenediamine, kgs. lb. .77 - —

Methanol, natural, dms., c.l., frt. alld. gal. .74 - .80
l.c.l., frt. alld. gal. .77 - .85
tanks, frt. alld. gal. .66 - .70

Prices on natural methanol W. of Miss. 3c. higher synthetic, eastern production, Zone 1, dms., c.l., frt. alld. gal. .38½- —
l.c.l., frt. alld. gal. .42 - .44½
tanks, frt. alld. gal. .28 - —
zone 2, dms., l.c.l., frt. alld. gal. .45 - —
l.c.l., ex-whse. gal. .47½- —
tanks, frt. alld. gal. .33 - —

Synthetic methanol Zones are: Zone 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah, and Wash.

Texas production, Midwest and Gulf states, dms., c.l., works, frt. alld. gal. .37½- —
tanks, frt. alld. gal. .27 - —
West of Rockies, dms., c.l., frt. alld. gal. .45 - —
tanks, frt. alld. gal. .33 - —

Methione, d.l, fib. dms., 1,000 lb. lots, lb. 8.25 - —
50 to 999 lb. lots lb. 8.40 - —
1 to 49 lb. lots lb. 10.00 - —

Methyl abietate, non-ret. dms., c.l., dlvd. zone 1 lb. .15½- —
l.c.l., same basis lb. .15¾- —
hydrogenated, non-ret, dms., c.l., dlvd., zone 1 lb. .16¾- —
l.c.l. same basis lb. .17¼- —

Acetoacetate, dms., c.l., works lb. .47 - —
l.c.l., same basis lb. .48 - —
tanks, works lb. .46 - —

Methyl acetoacetate prices, frt. alld. W., 1c higher.

Acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. alld. gal. .50 - .60
l.c.l., same basis gal. .57 - .67

Natural Methyl acetone group A prices W. of Miss. 3c. per gal higher.

group B, dms., incl., E. Miss., frt. alld., any quantity gal. .50 - .60
synthetic, dms., c.l., works, frt. alld. E. gal. .61½- —
frt. alld. W. gal. .64 - —
l.c.l., works, frt. alld. E. gal. .65 - —
frt. alld. W. gal. .68½- —
tanks, works, frt. alld. E. gal. .52 - —
frt. alld. W. gal. .55½- —

Methyl acetone, synth. East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.

Alcohol (see Methanol).

Anthranilate, 500 lbs. or more, lb. 2.10 - —
smaller lots lb. 2.20 - 3.00

Benzoate, cns. lb. .55 - 1.20

Bromide, dealers, cns. lb. .50 - .52
cyls. lb. .46 - .59

Chloride, indust., cyl., works lb. .16 - —
tanks, multi-unit, works lb. .14¾- —
single-unit, works lb. .14 - —
refrigerator mfrs., cyls., dlvd. lb. .33 - —
other consumers or service men, cyls., dlvd. lb. .41 - —

Cinnamate, cns. lb. 1.65 - 3.50

Formate, dms. lb. .89 - —

Heptin carbonate, bots. lb. 36.00 -38.00

Iodide, bots., cbys. lb. 4.33 - 4.52

Lactate, dms., l.c.l., works lb. .35 - —

Methacrylate, M-1, dms., works lb. .45 - —
cns., works lb. .48 - .55

P-1, cns., works lb. .60 - —

Methyl salicylate, dms., 500 lbs. lb. .40 - —
25-50 lbs. lb. .45 - —

Methylal, refined, 95%, dms., c.l. lb. .06 - —
l.c.l., works lb. .07 - —
tanks, works lb. .04½- —

Methylamyl ketone, cns., dms., works. lb. No stocks

Methylcellulose, special vis. (4,000 cps.), fib. ctns., c.l., frt. alld. lb. .68 - —
2,000 lbs. and more, same basis lb. .70 - —
smaller lots, frt. alld. on 100 lbs. lb. .75 - .80

standard vis. (15-1,500 cps.), fib. ctns., c.l., frt. alld. lb. .62 - —
2,000 lbs. and more, same basis lb. .63 - —
smaller lots, frt. alld. on 100 lbs. lb. .68 - .73

FOR PROMPT SHIPMENT!

ACETONE
AGAR AGAR
BARIUM SULFATE
(BLANC FIXE)
CAUSTIC SODA
ENCOLOID
(SOYA LECITHIN)
EPSOM SALTS
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TARTARIC ACID

These and many other chemical products are now available in quantity to domestic and foreign users.

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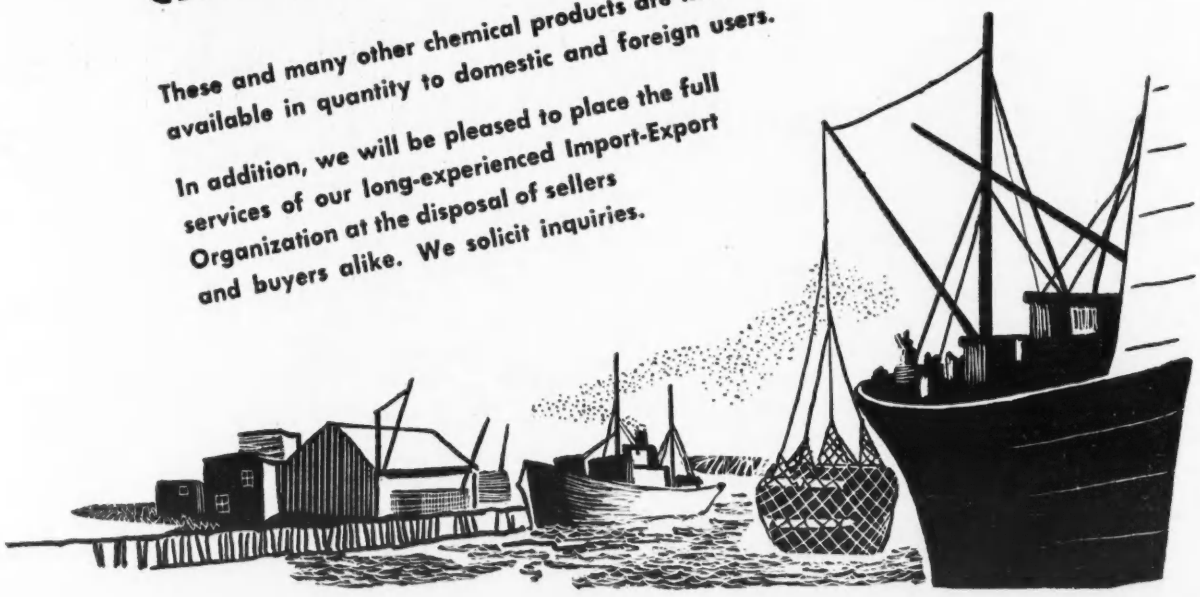


ENCO

CHEMICAL CORPORATION

formerly NEUBERG CHEMICAL CORPORATION

ESTABLISHED 1910 441 LEXINGTON AVENUE, NEW YORK 17, N. Y. TELEPHONE MU 6 1990

CABLE: Encofan New York or Neuberg New York Encofan, Tokio

Methylene Blue—Oil, Cassia

Methylene blue, USP, 100-lb. lots, kgs., frt. equald..lb. 2.42 - —
smaller lots, kgs., same basis...lb. 2.52 - 2.57
Chloride, indust., dms., c.l., dlvd. E. lb. .12½- —
l.c.l., dlvd., E.....lb. .13½- —
tanks, dlvd., E.....lb. .11½- —
Methyleneanilin, dms., ton lots, frt. alld..lb. .36 - —
smaller lots, same basis.....lb. .37 - —
Methylethyl ketone, dms., dlvd.....lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10 - —
Methylhexyl ketone, tech., dms., works, lb. .60 - —
Methylionone, A, cns.....lb. 6.55 - 8.80
D, cns.....lb. 7.50 - 9.35
prime, cns.....lb. 4.55 - 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Methylisobutyl ketone, dms., c.l., dlvd. lb. .16½- —
l.c.l., dlvd.....lb. .17½- —
tanks, dlvd.....lb. .12½- —
Methylnaphthyl ketone, cns.....lb. 3.00 - 3.75
Methylpentanediol, dms., works, dlvd. lb. .17½- —
l.c.l., works, dlvd.....lb. .18½- —
tanks, works, dlvd.....lb. .16 - —
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works..lb. .03¾- —
roofing, 20 to 80 mesh, works....lb. .02¾- —
wet-grd., biotite, bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse. or frt. alld. E. lb. .06¼- —
Mica, wet-grd., extra fine, bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse. or frt. alld. E. lb. .06¼- —
paint or lacq., bgs., c.l., works, frt. alld. E..lb. .07 - —
l.c.l., ex whse. or frt. alld. E..lb. .07½- .07⅝
rubber, bgs., c.l., works, frt. alld. E..lb. .06¾- —
l.c.l., ex whse. or frt. alld. E..lb. .07¼- .07½
wallpaper, bgs., c.l., works, frt. alld. E..lb. .07 - —
l.c.l., ex whse. or frt. alld. E. lb. .07¾- —
Mica, wet-grd. W. of Miss R., ½c. higher. W. of Rockies, 1c. higher.
Milk powder, skimmed, roller, bbls., c.l..lb. .15 - .17
spray, bbls., c.l.....lb. .17½- .18½
Whole, roller, bbls., c.l.....lb. .41 - .43
spray, bbls., c.l.....lb. .44 - .46
Sugar, edible, bbls., works, 30,000-lb. lots..lb. .24 - —
2,000-lb. lots .....lb. .24¾- —
200-1,800-lb. lots .....lb. .25¼- —
USP, bbls., works, 3,000-lb. lots.lb. .26 - —
2,000-lb. lots .....lb. .26¾- —
200-1,800-lb. lots .....lb. .27¼- —
Molasses, blackstrap, tanks.....gal. .24 - —
Molybdate orange (see Orange, molybdate).
Mineral spirits (see Petroleum, mineral spirits).
Molybdenum metal, 99% Mo. powd., kgs..lb. 2.60 - 3.00
Trioxide, pure, kgs., works, basis Mo. content..lb. .96 - —
technical, kgs., works, basis Mo. content..lb. .80 - —
Monochlorobenzene, dms., c.l., works, frt. equald..lb. .06½- .08
l.c.l., works .....lb. .07 - .09
smaller containers, works.....lb. .09 - .12
tanks, works, frt. equald.....lb. .06 - .06½
Monoethanolamine, dms., c.l., frt. alld. E..lb. .26½- —
l.c.l., same basis.....lb. .27½- —
smaller containers, same basis....lb. .30½- —
tanks, same basis.....lb. .25 - —
Monoethylamine, dms., c.l., works, basis 100%..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .20 - —
Monomethylamine, anhydrous, cyl., works, basis 100%..lb. .34½- .44½
25%-40%, dms., c.l., same basis..lb. .32 - —
l.c.l., same basis.....lb. .33½- —
tanks, same basis.....lb. .30 - —
Monononylnaphthalene, tanks, wks.lb. .16 - —
Monosodium glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium phosphate, monobasic).
Monotertiarybutylmetacresol, dms., c.l., works..lb. .50 - —
l.c.l., works.....lb. .51 - —
tanks, works.....lb. .49 - —
Morphine, cns., 25 ozs.....oz. 12.40 - —
Acetate, cns., 25 ozs.....oz. 9.90 - —
Hydrobromide, cns., 25 ozs.....oz. 9.80 - —
Hydrochloride, cns., 25 ozs.....oz. 9.90 - —
Sulphate, cns., 25 ozs.....oz. 9.90 - —
Morpholine, dms., c.l., works.....lb. .59½- —
l.c.l., works.....lb. .60 - —
tanks, works.....lb. .58 - —
smaller containers, works.....lb. .75 - —
Mountain ash berries, bgs.....lb. .75 - .76
Mullein leaves, bls.....lb. 12 - .13
Musk, nat., Tonquin, grains, bots..oz. 35.00 -55.00
synthetic, ambrette, cns., 5-lb..... 5.65 - 5.75
Ketone, cns., 100 lbs. or more..lb. 4.60 - 4.95
25 lbs. .....lb. 4.70 - 5.05
5 lbs. .....lb. 4.60 - 5.45
xylol, cns. .....lb. 1.60 - 1.80
25 lbs. .....lb. 1.70 - 1.90
5 lbs. .....lb. 1.80 - 2.00
Musk root, bls.....lb. No prices
Mustard seed, Calif., brown.....lb. .21 - .21½
Danish, yellow, bgs.....lb. .16 - .16⅝
Dutch, yellow, bgs.....lb. .16½- .17
English, yellow, bgs.....lb. .16¼- .16½
Montana, brown, bgs., source....lb. .11 - .11½
Oriental, bgs., source.....lb. .06¾- .07
yellow, bgs., source.....lb. .13½- .14
Washington, yellow, bgs.....lb. .16½- .17
Myrobalans, JI, good quality, ex dock. ton. 54.00 -55.00
J2, ex dock .....ton. 46.00 -47.00

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S)
Naphthalene, dom., crude, 74°, bgs., bbls., frt. equald..lb. No prices
tanks, same basis..lb. .05¾- .07¾
78°, bbls., c.l., same basis....lb. .07 - .08
l.c.l., same basis.....lb. .07½- .08½
tanks, same basis.....lb. .06 - .07½
refined, industrial, bbls., frt. equald. lb. .11 - —
bgs., c.l., same basis.....lb. .10½- —
tanks, same basis.....lb. .10 - —
balls, flakes, wholesalers, jobbers, 50-lb. cs., c.l., same basis..lb. .12 - .12¾
1-lb. pkgs., c.l., same basis.lb. .13 - .13¾
Neocinchophen, USP, dms., works..lb. 7.00 - 7.10
Nepheline syenite, glass, 24 mesh, bulk, Rochester, N. Y.....ton. 14.25 - —
pottery, 200 mesh, bulk, Rochester, N. Y..ton. 18.25 - —
Nepheline syenite in bgs., $3 per ton higher than bulk.
Nerolin, crys., cns.....lb. 1.70 - 2.25
Niacin (see Acid, nicotinic).
Nacinamide (see Nicotinamide)
Nickel acetate, bbls., dlvd.....lb. .50 - —
Carbonate, bbls., dlvd.....lb. .48 - .50
Chloride, bbls., dlvd.....lb. .23 - —
Cyanide, bots., dms.....lb. 1.75 - 2.00
Formate, bbls., ton lots, dlvd....lb. .43½- —
Metal, electro cathodes, cs.....lb. .40 - —
Nitrate, bbls., works.....lb. .24½- .25½
Oxide, black, bbls.....lb. .42 - —
Sulphate, bgs., c.l., dlvd.....lb. .18 - —
l.c.l., dlvd. .....lb. .18½- —
Nicotinamide, USP, dms., works..kilo. 11.00 -11.30
Hydrochloride, dms., works.....kilo. 10.50 -10.80
Nicotine sulphate, 40%, dms., dealers, frt. alld. over 50 lbs..lb. .988 - —
tins, dealers .....lb. 1.105 - —
Nikethamide, bots, chys.....lb. 5.50 - 6.00
Nitercake, bulk, works.....ton. No stocks
Nitrobenzene, dbl. dist., dms., c.l..lb. .09 - .09½
l.c.l. .....lb. .10 - .11
tanks .....lb. .08 - .08½
Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, 5-6, 15-20, 39-40, 60-80 and 125-175 secs., bbls., c.l., works, dry weight..lb. .28 - —
l.c.l., same basis.....lb. .29 - .31
8-25 cps., bbls., c.l., same basis..lb. .30 - —
l.c.l., same basis.....lb. .31 - .33
250-400 secs. and 600-1,000 secs., bbls., c.l., same basis..lb. .32 - —
l.c.l., same basis.....lb. .33 - .35
spirit-soluble, 30-35 cps., ¼, ½, 5-6 and 40-60 secs., bbls., c.l., same basis..lb. .34 - —
l.c.l., same basis.....lb. .35 - .37
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable.
Nitrogen solution, tanks, works, N..ton. 117.00 - —
Nitrogenous process tankage, bulk, works, ammo. unit-ton. 3.50 - 4.00
Sewage sludge, bulk, works, unit ton. 4.15 + 40-
Nitromethane, dms., c.l., works....lb. .25 - —
Nitropropane, 1, dms., works.....lb. .25 - —
2 dms., works.....lb. .25 - —
Nonylnaphthalene blend (mono and di), tanks, works..lb. .14 - —
Nutgalls, Aleppo, bgs.....lb. .50 - —
Chinese, bgs. .....lb. .44 - —
Istrian, bgs. .....lb. .29 - —
Nutmegs, East Indian, bgs., futures, afloat..lb. .60 - .60½
West Indian, bgs.....lb. .59 - .59½
futures .....lb. .58 - .59
Nux vomica, bls. .....lb. .08 - .09
powdered, bbls., bxs. .....lb. .11 - .12

O

Oakbark extract, 25% tannin, bbls., c.l., works..lb. No stocks
Octane, 100°-140° C, industrial grade, dms., c.l., group 3..gal. .19 - —
l.c.l. .....gal. .21 - .80
tanks, group 3.....gal. .15½- —
Octanol (see Alcohol, ethylhexyl).
Oil, almond, bitter, artificial (see Benzaldehyde).
Bitter, F.P.A., bots.....lb. 4.45 - 5.00
NF, bots.....lb. 4.90 - —
Sweet, dms., cns.....lb. .80 - 1.30
Angelica root, bots.....lb. 120.00 -250.00
Seed, bots.....lb. 110.00 -260.00
Anilin (see A).
Anise, USP, Chinese, dms.....lb. .72 - .85
Russian, cns.....lb. 3.25 - 3.75
Apricot kernel, cns.....lb. .48 - .56
Avocado, cns., dms.....lb. 1.00 - 1.10
Babassu, tanks.....lb. .26¼ Nom.
Bay, NF, Puerto Rican, 50-55%, cns. lb. 1.20 - 2.25
55-60%, cns.....lb. 1.20 - 2.35
60-65%, cns.....lb. 2.50 - —
West Indian, 50-55%, cns.....lb. 1.20 - 1.65
Bergamot, artif., cns.....lb. 2.50 - 4.25
natural, Italian, cns.....lb. 3.90 - 6.00
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb 95 - 1.76
rectified, cns.....lb. 4.25 - —
Bois de rose, Brazil, cns.....lb. 3.00 - 4.75
Mexican (see Oil, lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cajeput, tech., dms.....lb. 2.00 - 2.45
redistilled, USP IX, cns.....lb. 2.50 - 4.50
Calamus, cns. .....lb 20.00 -28.00
Camphor, natural, white, cns.....lb. .40 - .75
synthetic, dms.....lb. 15 - .40
Cananga, native, cns.....lb. 4.00 - 9.10
rectified, cns. .....lb. 5.00 -12.50
Capsicum (see Capsicum oleoresin)
Caraway, NF, cns.....lb. 4.75 - 6.50
Cardamom, bots. .....lb. 23.00 -31.50
Cassia, USP, cns.....lb 2.00 - 3.75

The 8th Reason for Using SKELLYSOLVE...

DEPENDABILITY

...both in quality and supply is a mighty important factor in your operations

1 Low Evaporation Losses—Skellysolve is free of excessively volatile compounds; fire hazards are reduced.

2 Low End Points, No Greasy Residues—Result in important savings of steam, time and labor; help promote a final product of highest quality.

3 No Unsaturated Compounds—Reduce contaminations and "gum-forming" tendencies.

4 Purity—Skellysolve consists essentially of paraffin or saturated type compounds . . . assures complete stability, even under adverse conditions and repeated use.

5 Close Boiling Ranges—Skellysolve does not suffer fractional distillation. Its composition tends to remain constant during use.

6 Odorless, Tasteless—Skellysolve gives freedom from foreign tastes and odors. This is a major advantage in plants where naphtha odor or taste would be ruinous.

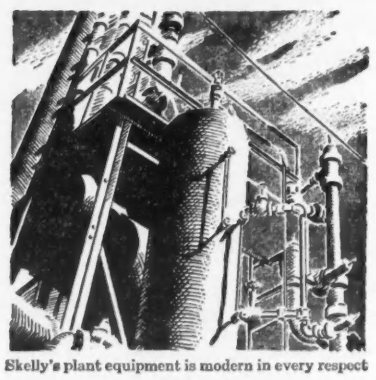
7 Economy—These six points naturally result in greater efficiency, and therefore in greater operating economy.

"DOC" MacGEE SAYS: *The 8th reason* for using Skellysolve is its dependability. This means dependability in quality and dependability in supply. Skelly is a leading specialist in the manufacture of naphthas of extra quality for industry. As you know, Skellysolve has been the "standard" of industry ever since Skelly pioneered the large scale production of hexane, heptane, and octane type naphthas from natural gas in 1930.

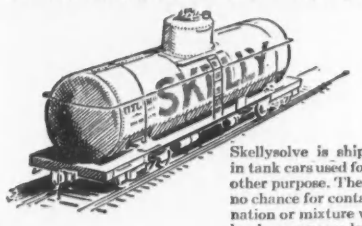
Equally important is the fact that these solvents *never* vary in quality. And our sources of supply are so large that you need never fear an order will not be *promptly filled*, year in and year out.

Some plants have had unfortunate experiences with "cut-price" sources of supply, and know the value of Skelly dependability in quality, delivery, and technical service.

If you use industrial naphthas in your operations, write today for complete information about Skellysolve. There is one to fit your particular needs.



Skelly's plant equipment is modern in every respect



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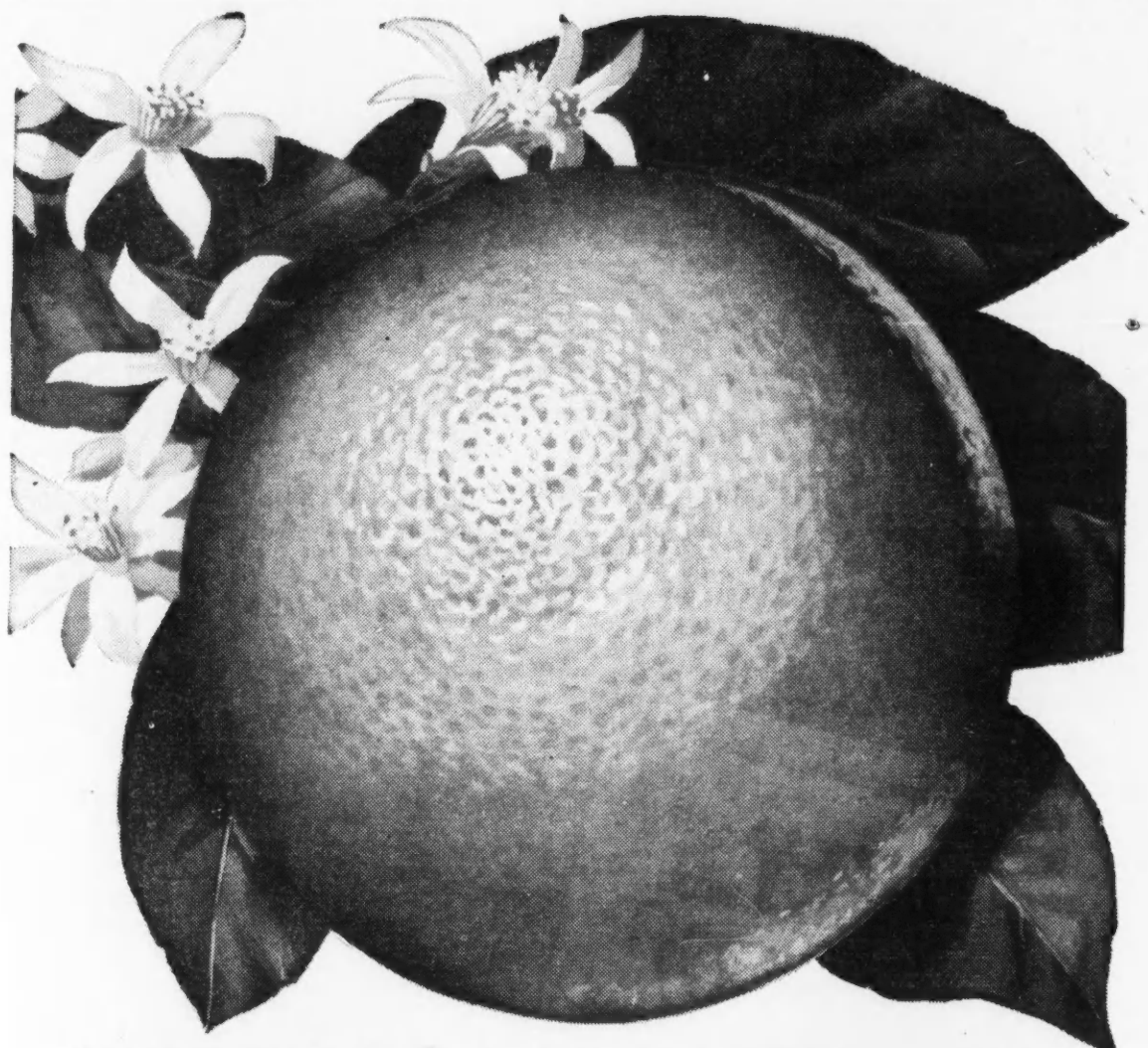
Skellysolve

SOLVENTS DIVISION, SKELLY OIL COMPANY, KANSAS CITY, MISSOURI

Oil, castor, blown, ret. dms., c.l.	lb.	.24 - —
cold-pressed, USP, ret. dms., c.l.	lb.	.22 - —
l.c.l.	lb.	.23 - .23½
tanks	lb.	.21 - —
tanks	lb.	.21 - —
dehydrated, bodied, dms., c.l.	lb.	.25½- —
l.c.l.	lb.	.26½- —
tanks	lb.	.24½- —
unbodied, dms., c.l.	lb.	.24½- —
tanks	lb.	.23½- —
hydrogenated, bgs., c.l., works.	lb.	.37 - —
l.c.l., same basis	lb.	.38 - —
No. 3, tech., ret. dms., c.l.	lb.	.22 - —
l.c.l.	lb.	.22½- —
tanks	lb.	.21 - —
sulphonated, 50% (48% fat), dms.	lb.	.13 - .13½
75% (60-62% fat), dms.	lb.	.20 - .20½
Cajaleaf, USP, cns, dms.	lb.	2.15 - 2.85
Cedarwood, cns.	lb.	.51 - .95
dms.	lb.	.45 - .85
Celeryseed, bots.	lb.	14.00 -20.00
Chaulmoogra, NF, cns., dms.	lb.	.66 - —
Chinawood (see Oil, tung).		
Cinnamon bark, bots.	lb.	33.00 -73.00
Leaf, Ceylon	lb.	1.50 - 1.75
Seychelle	lb.	1.50 - —
Citronella, Ceylon, cns.	lb.	.70 - 1.05
Java, cns.	lb.	1.35 - 1.75
Clove, USP, from Madagascar buds, cns.	lb.	1.20 - 1.30
from Zanzibar buds, cns.	lb.	1.35 - 1.40
Coconut, crude, tanks, Atlantic ports.	lb.	.24 - —
Pac. coast	lb.	.23 - —
refined, Cochin type, tax incl., dms., l.c.l.	lb.	.32½- —
deodorized, tax incl., dms., l.c.l.	lb.	.33½- —
Cod, Newfoundland, dms.	lb.	.24 - .25
Codliver, USP, dms.	gal.	2.60 - 2.70
Coriander, bots.	lb.	34.00 -40.00
Corn, crude, tanks, works.	lb.	.25 - —
foots, acid, 95%, tanks, dlvd. E.	lb.	.13 Nom.
raw, 50%, tanks, dlvd. E.	lb.	.06¾ Nom.
refined, tanks, mills	lb.	.28½ Nom.
Costus, bots.	oz	42.50 - —
Cottonseed, crude, tanks, works.	lb.	.22½- —
foots, acid 95%, tanks, dlvd. E	lb.	.13 Nom.
raw, 50%, tanks, dlvd. E.	lb.	.06¾ Nom.
refined, dms., c.l.	lb.	.33 - —
l.c.l.	lb.	.34 - .36
tankcars	lb.	.29 Nom.
Creosote (see Creosote, coaltar).		
Croton, NF, cns.	lb.	4.75 - 5.50
Crude (see Petroleum, crude).		
Cubeb, cns.	lb.	6.75 -10.00
Cumin, bots.	lb.	6.25 -11.50
Cypress, bots.	lb.	11.00 -15.00
Degras (see D).		
Dillseed, bots.	lb.	9.00 - 9.50
Dillweed, bots.	lb.	8.00 - 9.00
Dip (see D).		
Erigeron, cns.	lb.	2.30 Nom.
Eucalyptus, rectified, USP, 80-90%, cns.	lb.	.90 - 1.45
70-80%, cns.	lb.	.80 - 1.30
Fennel, sweet, cns.	lb.	3.05 - 4.50
Fir, Canada, cns.	lb.	2.20 - 2.35
Fishliver, concentrating or feed, 6,000 to 12,000 A units, dms. 1,000,000 units.		.22½- —
20,000 to 80,000 A units, dms. 1,000,000 units.		.32 - .34
pharmaceutical, 50,000 to 125,000 A units, dms. 1,000,000 units.		.34 - .43
pharmaceutical or food, 200,000 A units, dms. 1,000,000 units.		.42 - .45
concentrate, 100,000 A units, dms. 1,000,000 units.		.38 - .40
200,000 A units, dms. 1,000,000 units.		.42 - .45
500,000 A units, dms. 1,000,000 units.		.46 - .53
1,000,000 A units, dms. 1,000,000 units.		.49 - .55
Fuel (see Petroleum fuel oil).		
Fusel (see F)		
Garlic, pure, bots.	oz.	9.00 - —
Gaultheria (see Oil, wintergreen).		
Geranium, Algerian, cns.	lb.	14.00 -21.00
Bourbon, cns.	lb.	8.75 -10.50
Russian, cns.	lb.	No stocks
Turkish (see Oil, palmarosa).		
Ginger, dist., bots.	lb.	7.50 -13.00
Grapefruit	lb.	1.15 - 2.60
Grease, No. 1, dms.	lb.	.18½- .19¼
extra, winter, strained, dms.	lb.	.20 - .21
prime, burning, dms.	lb.	.22 - .22½
Guaiacwood, cns.	lb.	2.05 - 4.15
Hemlock, cns.	lb.	2.20 - 2.75
Herring, crude, tanks, Pac. coast.	lb.	No prices
Juniper berry, NF VIII, bots.	lb.	5.00 - 5.25
twice rectified	lb.	7.00 - 7.25
Tar, USP (see Juniper tar).		
Wood, tech., cns.	lb.	.65 - 1.00
Lard (see Oil, grease).		
Laurel, bots.	lb.	No stocks
Lavandin, cns.	lb.	1.30 - 3.75
Lavender flower, French, 38-42% esters, cns.	lb.	3.75 -10.15
30-32% ester, cns.	lb.	2.40 - 3.10
Spike, Spanish, pure, cns.	lb.	1.40 - 2.25
tech., cns.	lb.	1.40 - 2.78
Lemon, natural, USP, Calif., cns.	lb.	2.65 - 2.75
Messina	lb.	2.75 - 4.00
terpeneless, bots.	lb.	32.00 -65.00
Lemongrass, cns., dms.	lb.	1.25 - 2.30
Lignaloe seed, Mexican, cns.	lb.	4.50 - 4.80
Wood, Brazilian (see Oil, bois de rose)		
Mexican, cns.	lb.	2.75 - 5.20
Lime, distilled, Mexican, cns.	lb.	3.75 - 5.00
West Indian, cns.	lb.	4.50 - 6.00
expressed, West Indian, cns.	lb.	6.75 -11.25
terpeneless, bot.	lb.	35.00 -53.00
Linseed, raw, dms., c.l.	lb.	.2900- .3000
l.c.l.	lb.	.2980- .3016
tankcars	lb.	.2780- .2880
tankwagon	lb.	.2810- .2910
Boiled linseed oil .007 higher than raw		
Lubricating, at refinery, ex tax, Group 3, bright stock, 150-160 vis., 10-25 p.p. tanks.	gal.	.285 - —
neutral, 300 vis., No. 3, col., 0.10 pour, tanks.	gal.	.21 - .22
200 vis., No. 3, col., 15-25 pour, tanks.	gal.	.18 - .19
145-156 vis., No. 3, color, 10-25 pour, tanks.	gal.	.285 - —
Penna., W., cylinder, 600-680 flash, tanks.	gal.	.33 - .38
cylinder, 600-650 steam refd., tanks.	gal.	.37 - —
neutral, 70° F, No. 3 color, 150 vis., 25 pour, tanks.	gal.	.37 - .39
200 vis., 25 pour, tanks.	gal.	.39 - .41
South Texas, neutral, pale 200 vis., 25-4 pour, tanks.	gal.	.11 - .12
red, 200 vis., 4-6½ pour, tanks.	gal.	.11- .12¼
Mace, dist., cns., dms.	lb.	4.65 - 8.75
Mandarin, Brazilian, cns.	lb.	4.25 - 8.40
Italian, cns.	lb.	8.50 -10.00
Menhaden, crude, tanks, Balto.	lb.	.14 - —
refined, alkali, dms., l.c.l.	lb.	.2190- —
kettle-bodied, dms., l.c.l.	lb.	.2340- —
light-pressed, dms., l.c.l.	lb.	.2040- —
tanks	lb.	.19 - —
Mineral, white (see Oil, white, mineral).		
Morbane (see Nitrobenzene).		
Mustard, synthetic, USP, cns.	lb.	1.40 - 1.60
Seed, expressed, dms.	lb.	.28 - .29
Oil, neatsfoot 15°, dms.	lb.	.43 - —
20°, dms.	lb.	.42 - —
30°, dms.	lb.	.40 - —
Neroli, French, bots.	lb.	175.00 -200.00
Haitian, bots.	lb.	175.00 -200.00
Nutmeg, dist., cns.	lb.	4.65 - 8.75
Ocotea cymbarum, dms.	lb.	.52 - 1.15
Oiticica, liquid, dms., c.l.	lb.	.17½- .18
l.c.l.	lb.	.18½- .19
tanks	lb.	.17½- .18
Oleo, extra, tcs.	lb.	.26½ Nom.
Olibanum, bots.	lb.	4.50 - 6.25
extra fine	lb.	6.25 -10.50
Olive, denat., dms.	gal.	3.00 - —
edible, Calif., dms.	gal.	4.25 Nom.
Spanish, dms., duty paid	gal.	4.50 - 4.65
Moroccan, dms., same basis	gal.	3.90 - 4.00
foots, dms.	lb.	.23 - .23½
tankcars	lb.	.21½- —
sulphonated, 50% (40% fat), dms., c.l.	lb.	No stocks
l.c.l.	lb.	No stocks
75% (62% fat), dms., c.l.	lb.	No stocks
l.c.l.	lb.	No stocks
Orange, sweet, natural, dist., cns.	lb.	.75 - 1.25
expressed, USP, Brazilian, cns.	lb.	1.40 - 1.95
Calif., cns.	lb.	1.45 - 2.10
Florida, cns., dms.	lb.	1.00 - 1.85
Messina, coppers	lb.	3.50 - 5.50
West Indian, cns.	lb.	2.25 - 3.75
sesquiterpeneless, bots.	lb.	55.00 -135.00
Origanum, Spanish, cs.	lb.	2.40 - 3.50
Palm, dms.	lb.	.29 - —
Palmarosa, cns.	lb.	6.50 - 9.00
Palmkernel, crude, bulk, cif, NY.	lb.	No prices
Paraffin, pale, 100-110 vis. at 100° F, tanks, works.	gal.	.10 - —
Patchouli, dms.	lb.	8.00 -18.00
Oil, peanut, crude, tanks, works.	lb.	.24½- .25
foots, acid, 95%, tanks, dlvd. E.	lb.	.13 Nom.
raw, 50%, tanks, dlvd. E.	lb.	.06¾ Nom.
refined, tanks, dlvd. E.	lb.	.29 - —
Pennyroyal, USP, dom., dms., cns.	lb.	No stocks.
Imported, cns.	lb.	2.50 - 5.00
Peppermint, natural, dms.	lb.	7.30 - 7.75
redist., USP, dms.	lb.	7.65 - 8.10
Perilla, crude, dms.	lb.	No stocks
Petitgrain, Paraguay, cns.	lb.	3.10 - 4.30
Pimento berry, dms.	lb.	4.25 - 6.50
leaf, cns.	lb.	1.65 - 3.25
Pine, dest.-dist., dms., incl., c.l., works, South.	gal.	.60 - .69
dms. incl., c.l., works, South.	lb.	.07½- —
l.c.l., works, South	gal.	.61 - .70
l.c.l., works, South	lb.	.08 - —
ex whse., N. Y. C.	gal.	.67 - —
ex whse., N. Y. C.	lb.	.09½- —
tanks, works, South	gal.	.60 - —
tanks, works, South	lb.	.062 - —
steam-dist., dms., ex whse., East.	lb.	.11 - —
non-ret. dms., incl., l.c.l., ex whse. N.Y.C.	gal.	.86 - —
Pineneedle, Siberian, cns.	lb.	2.75 - 3.75
Swiss, 25-lb. cans	lb.	4.00 -14.50
Putty, petroleum, heavy, dms.	gal.	.18 - —
tankwagon	gal.	.13½- —
light, dms.	gal.	.16½- —
tankwagon	gal.	.12½- —
Rapeseed tankcars	lb.	.26 - —
Oil, red, single dist., dms.	lb.	.20¼- .21¼
tanks	lb.	.19 - —
saponified, dms.	lb.	.19½- .20¼
double dist., dms.	lb.	.22¾- .23¾
tanks	lb.	.21½- —
Rose, natural, coppers	oz.	16.00 -40.50
Rosemary, Spanish, tech., cns., dms.	lb.	.90 - 1.50
USP, cns., dms.	lb.	1.15 - 1.60
Rosin, 1st rectified, dms.	gal.	.66 - —
2d rectified, dms.	gal.	.68 - —
3d rectified, dms.	gal.	.78 - —
Rue, bots.	lb.	3.25 - 5.00
Sage, clary, bots.	lb.	15.50 -16.00
Dalmatian, cns.	lb.	2.80 - 5.55
Spanish, cns.	lb.	1.90 - 3.50
Sandalwood, NF, cns.	lb.	13.00 -14.50
Sardine, crude, tanks, Pac. coast.	lb.	.15 Nom.
refined, alkali, dms., l.c.l.	lb.	.2190- —
kettle-bodied, dms., l.c.l.	lb.	.2340- —
light-pressed, dms., l.c.l.	lb.	.2040- —
tanks	lb.	.19 - —
Sassafras, artificial	lb.	.53 - 1.25
natural, Brazilian (see Oil, ocotea cymbarum).		
domestic, USP XII, cns., dms.	lb.	1.90 - 2.30
Savin, cns.	lb.	5.00 -13.50
Savory, cns.	lb.	8.00 - —
Seal, No. 1, tanks, U. S. ports.	lb.	No prices
Sesame, tanks.	lb.	No prices
Shingle stain, bbls., c.l., works.	gal.	.2185- —
l.c.l., works	gal.	.25 - .29
tanks, works	gal.	.15 - .16



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Exchange
OIL OF
ORANGE
U. S. P.

Oil, Soybean—Pectin

Oil, soybean, crude, tanks, mills..lb. .22½- .23
foots, acid, 95%, tanks, dlvd. E. lb. .13 Nom.
raw, 50% tanks, dlvd. E....lb. .09½ Nom.
refined, alkali, dms., c.l.....lb. .2602- —
l.c.l. .....lb. .2680-.2720
tanks .....lb. .2482- —
clarified, dms., c.l.....lb. .2452- —
l.c.l. .....lb. .2530-.2560
tanks .....lb. .2352- —
winterized, refined, tankcars, dlvd. East..lb. .26 Nom.
Spearmint, dms. .....lb. 5.85 - 9.00
Sperm, bleached, 38°, dms.....lb. .2670- —
natural, 45°, dms.....lb. .25½- —
Spruce, cns., dms.....lb. 2.20 - 2.75
Sunflower-seed, imp., refined, tanks, lb. No prices
semi-refined, tanks .....lb. No prices
Sweet birch, Northern, cns.....lb 4.50 - 8.00
Southern, cns. .....lb 2.50 - 3.25
Tall, crude, tanks, works.....ton.40.00 - —
refined, dms., c.l., works.....lb. .06¾- —
l.c.l., works .....lb. .07¼- —
tanks, works .....lb. .05¾- —
Tallow, acidless, dms. .....lb. .18 - .18½
Tansy, cns. .....lb. 9.00 -14.00
Tar, pine, com'l, dms., incl., c.l., works, South..gal. .41 - .43½
l.c.l. works, South.....gal. .43 - .45½
wise., N.Y.C. .....gal. .52½- .54½
tanks, works, South.....gal. .32 - .34½
rectified, USP, l.c.l. dms., incl., works, South..gal. .60 - —
Tar acid (see T).

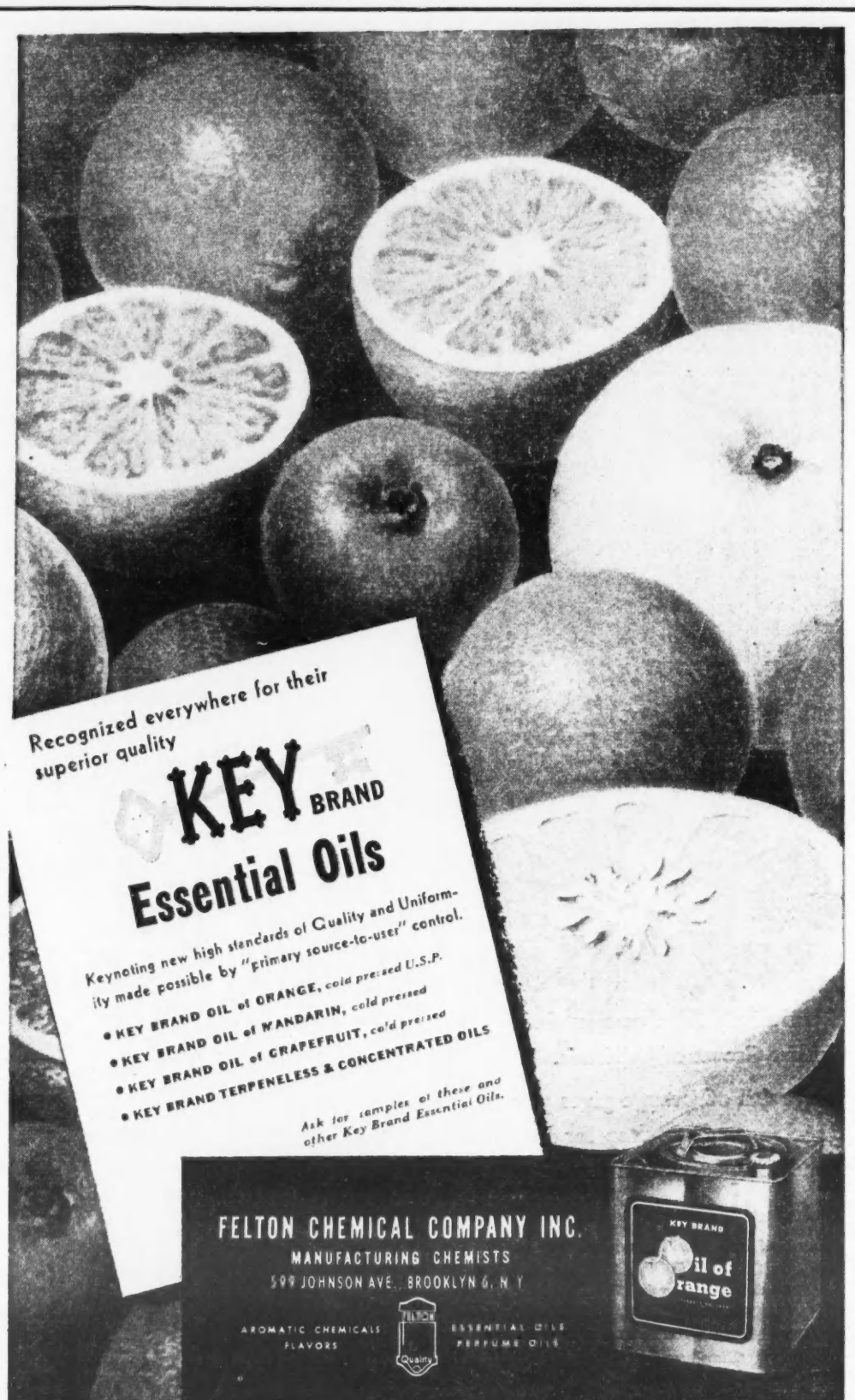
Oil, tendered, l.c.l., dms.....lb. .33 - —
Thyme, NF, red, cns.....lb. 2.60 - 3.35
white, cns .....lb. 2.85 - 3.80
technical, white, cns.....lb .95 - 1.00
Tung, dms., c.l. .....lb. .22½- .23½
l.c.l. .....lb. .22¾- .24
tanks .....lb. .20¾- —
Turkey red (see Oil, castor, sulphonated).
Turpentine, rectified, NF, cns., dms. lb .35 - .50
Vetiver, Bourbon, cns. .....lb.11.75 -15.00
Haitian .....lb.17.50 -20.00
Whale, ref., natural, dms.....lb. No stocks
Winter-blenched, dms.....lb No stocks
Wheat germ, dms.....gal.10.00 -13.50
White mineral, tech., 50 vis., nonref., dms., c.l., San Francisco..gal. .51½- —
l.c.l., S.F. .....gal. .53½- .56½
50-65 vis., dms., c.l., N. Y.....gal. .45 - —
l.c.l., N. Y. .....gal. .48 - .52
66-75 vis., dms., c.l., N. Y.....gal. .48 - —
l.c.l., N. Y. .....gal. .51 - .55
70 vis., non-ret. dms., c.l., S.F., gal. .51½- —
l.c.l., S. F.....gal. .53¾- .56½
USP, 80-90 vis., dms., c.l., N. Y. gal. .52 - —
l.c.l., N. Y.....gal. .55 - .59
85 vis., non-ret. dms., c.l., S. F. gal. .51½- —
l.c.l. S. F.....gal. .53½- .56½
100 vis., non-ret. dms., c.l., S. F. gal. .59 - —
l.c.l., S. F.....gal. .61 - .64
125-135 vis., dms., c.l., N. Y.....gal. .64 - —
l.c.l., N. Y.....gal. .67 - .71

Oil, white mineral, USP, 145 vis., non-ret. dms., c.l., S.F..gal. .68 - —
l.c.l., S. F.....gal. .70 - .76
145-155 vis., dms., c.l., N. Y..gal. .66 - —
l.c.l., N. Y.....gal. .69 - .73
175-185 vis., dms., c.l., N.Y..gal. .69 - —
l.c.l., N. Y.....gal. .72 - .76
180 vis., non-ret. dms., c.l., S. F. gal. .70 - —
l.c.l., S. F.....gal. .72 - .75
200-210 vis., dms., c.l., N. Y. gal. .73 - —
l.c.l., N. Y.....gal. .76 - .80
335-345 vis., dms., c.l., N. Y..gal. .81 - —
l.c.l., N. Y.....gal. .84 - .88
340 vis., non-ret. dms., c.l., S. F. gal. .83 - —
l.c.l., S. F.....gal. .85 - .88
Wintergreen, nat., Northern, cns..lb. 7.00 -14.25
Southern, cns.....lb. 3.65 - 6.50
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, NF, cns.....lb. 3.75 - 5.50
Wormwood, cns. .....lb. 7.75 -13.50
Ylang-ylang, Bourbon, extra, bots, lb. 9.50 -25.00
first, bots. .....lb. 9.75 -15.00
second, bots. .....lb. 7.00 -10.00
third, bots .....lb. 3.50 - 7.50
Olein, crude (see Oil, red).
white, dms. .....lb. .20¾- .21¾
tankcars .....lb. .21½- —
low titre, dms. .....lb. .20¾- .21¾
tankcars .....lb. .22 - —
Oleostearin, tres. .....lb. .24 - .25
Olivine, aggregate, c.l., mines....ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works. ton.10.00 - —
paper, bgs., c.l., works.....ton.12.00 - —
lumps, bulk, c.l., works.....ton. 7.00 - —

Opium, USP, cns.....lb.19.45 - —
gran., USP, cns.....lb.21.90 - —
powd., USP, cns.....lb 21.90 - —
Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies..lb. 1.00 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island, St. Louis, St. Paul, contracts....lb .29½- —
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); Ill., Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex.; 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dinitroaniline toner.....lb. 1.15 - —
Orange mineral, American bbls., l.c.l., ship't point, frt. alld..lb. .2560- —
Persian, bbls. .....lb. .39 - .45
Orange flowers, bls. .....lb. .40 - .45
Orange mineral, American, bbls., 5 tons, ship't point, frt. alld....lb. .20½- —
smaller lots, bbls., same basis, lb. .21 - —
Orange peel, bitter, Haitian, bls. lb. .13 - .14
Sweet, bls. .....lb. .14 - .16
Oregano, Mexican, bgs.....lb. .16½- .17
Portuguese, bgs. .....lb. .20 - .20½
Sicilian, bgs. .....lb. .24 - .24½
Orris root, Florentine, bls.....lb. .28 - .29
powdered, bbls., bxs.....lb. .32 - .33
Verona, bls. .....lb. .18 - .19
powdered, bbls., bxs.....lb. .22 - .23
Orthoamitobiphenyl dms., c.l., works, lb. .20½- —
l.c.l., same basis.....lb. .22 - —
tanks, same basis .....lb. .21 - —
Orthoamylphenol, dms., l.c.l., works, lb. .42 - —
Orthoanisidin, bbls. .....lb. .80 - —
Orthochloroaniilin, dms., 10,000 lbs. or more..lb. .60 - —
smaller lots .....lb. .62 - .67
Orthochloroparanitroaniilin, dms., works, lb. .65½- .81
Orthochlorophenol, dms. .....lb. .28 - —
Orthocresol, pure, 30° dms., c.l., works..lb. .55 - —
l.c.l., works .....lb. .55½- —
tech., 28°-30°, dms., c.l., works..lb. .31 - —
l.c.l., works .....lb. .31½- —
20°-27°, dms, c.l., works.....lb. .29½- .30½
l.c.l., same basis.....lb. .29½- .28½
tanks, same basis.....lb. .27½- —
Orthodichlorobenzene, dms., c.l., wks., frt. alld. E of Rockies..lb. .67½- .68½
l.c.l., same basis.....lb. .69½- .70½
tanks, same basis.....lb. .67 - .68
Orthodichlorobenzene prices W of Rockies 1c. per lb. higher.
Orthoisopropyl N-phenylcarbamate (see IPC).
Orthonitroaniiin, dms .....lb. .50 - .53
Orthonitrochlorobenzene, dms.....lb. .15 - .16
Orthonitrobiphenyl, tech., dms., c.l., works..lb. .19½- —
l.c.l., works .....lb. .20 - —
tanks, works .....lb. .18 - —
Orthonitroparachloronhenol, cns.....lb. .75 - —
Orthonitrophenol, dms.....lb. .66 - —
Orthonitrotoluene, dms.....lb. .11 - —
Orthophenetidin, dms.....lb. .90 - —
Orthotolidin, distilled, kgs.....lb. 1.00 - —
Orthotoluidin, dms. .....lb .18 - .20
Osage orange crystals, bbls., l.c.l. lb. .23½- —
extract, liquid, bbls., l.c.l.....lb. .17½- —
Oxaline, USP, bots. .....gram. 3.00 - 4.50
Oxyquinolin sulphate, cns., 100 lbs., works..lb. 6.40 - —
smaller lots, works.....lb. 6.55 - 7.40

P

Papain, pewd., cs.....lb. 4.20 - 5.00
Papaverine, natural or synthetic, hydrochloride, N.F., cns., 1,000-oz. lots. oz. 6.00 - —
smaller lots.....oz. 6.50 - 6.50
Sulphate, cns.....oz. 7.10 - 7.35
Paprika, Chilean, bgs. .....lb. .25 - .26
Portuguese, bgs. .....lb. .30 - .33
Spanish, bgs. .....lb. .41 - .42½
Paranitraniiin, dms., works.....lb. .75 - —
Parachlorophenol, dms., c.l., works..lb. .27 - —
l.c.l., works .....lb. .28 - .33
Parachloroaniiin, dms., frt. alld. E. Miss..lb. .70 - —
Parachloro-orthonitroaniiin, dms....lb. No stocks
Paracresol, 98°c. dms., works.....lb. .45 - .48
Paracymene, dms., c.l., works....lb. .1595- —
l.c.l., works.....lb. .1645- —
tanks, works.....lb. .1545- —
Paradibromobenzene, bgs., 500-lb. lots, works..lb. .45 - —
Paradichlorobenzene, dms., c.l., works lb. .11 - —
l.c.l., same basis.....lb. .12½- .14
Paraffin, crude, scale, white or yellow, 123-124 ASTM, bbls., c.l., refinery..lb. .07 - —
121-123 ASTM, bbls., c.l., ref'y. lb. .07 - —
120-122 ASTM, bbls., c.l., ref'y. lb. .0750- —
fully ref'd. slabs, 120-122 ASTM, loose, c.l., ref'y..lb. .0765- —
122-124 ASTM, loose, c.l., ref'y.lb. .0715- —
124-127 ASTM, loose, c.l., ref'y.lb. .0725- —
128-130 ASTM, loose, c.l., ref'y.lb. .0750- —
130-132 ASTM, loose, c.l., ref'y.lb. .0755- —
132-134 ASTM, loose, c.l., ref'y.lb. .0780- —
135-137 ASTM, loose, c.l., ref'y.lb. .0820- —
Paraffin prices in bgs. and cns., 7.10c. per lb. higher; 1,000 to 9,999 lbs., 2.70c. per lb. higher, and under 1,000 lbs., 3.70c. per lb. higher.
Paraformaldehyde, dms., 1,000 lbs., works..lb. 24 - —
smaller lots, works.....lb. 25 - —
Paraldehyde, tech., 98°c, 55 gals., dms., l.c.l., works..lb. 12½- .13½
5-10-gal. dms., l.c.l., works...lb. .16½- —
tanks, works.....lb. .11 - —
USP, clys.....lb. .37 - .40
Paranitraniiin, kgs., works.....lb. .43 - —
Paranitrochlorobenzene, kgs., works lb. .18 - —
Paranitrophenol, kgs., works, frt. equald..lb. .40 - —
Paranitrotoluene, kgs., works.....lb. .26½- .28
Paraphenylphenol, bgs., works.....lb. .27 - —
Paraphenylenediamine, tech., kgs., works..lb. 1.30 - —
Paratertiarybutylphenol, kgs., works. lb. .19 - .20
Paratoluenesulphonamide, bbls., works. lb. .70 - —
Paratoluidin, bbls., works.....lb. .55 - .58
Pareira brava root, whole, bgs.....lb. .30 - .31
ground, bxs.....lb. .40 - .41
powder, bxs.....lb. .42 - .43
Paris green, dealer, distributor, dms., kgs., c.l., works, frt. alld. E. lb. .31 - —
l.c.l., same basis.....lb. .32 - .33
Passion flower herb, bls. .....lb. .26 - .28
Patchouli leaves, bls.....lb. .45 - .50
Pectin, citrus, bbls.....lb. 1.25 - —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• KEY BRAND TERPENELESS & CONCENTRATED OILS
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Penicillin, amorph., calcium, bulk, 1,000,000,000-unit lots	100,000 units	.10 - .11
sodium, wholesalers, lots (100,000 units)	lot	.24 - —
G, cryst., sodium, wholesalers (100,000 units)	lot	.24 - —
(200,000 units)	lot	.432 - —
bulk, 1,000,000,000-unit lots	100,000 units	.12½- —
procaine, cryst., bulk, 100,000,000-unit lots	100,000 units	.13 - —
in oil, 10 c.c. lots of 300,000 units, wholesalers	lot	8.00 - —
Pennroyal leaves, bls	lb	.25 - .30
Pentachlorophenol, dms., works	lb	.20 - .25
Pentaerythritol, tech., bbls., c.l., works	lb	.32 - —
l.c.l., works	lb	.34 - .36
Pentane, industrial, tanks, group 3	gal	.10½- .11½
Pepper, black, bgs	lb	.76 - .77
futures, bgs., nearby	lb	.75 - .75½
distant	lb	.75 - .75½
Red, capsicum, Louisiana longs, bgs., shipment point	lb	.18 Nom
Hontaka, bgs	lb	.48 - .49
Mombasa, bgs	lb	No stocks
Nizer, bgs	lb	.40 - .41
birdseye, bgs	lb	.45 - .45½
Sierra Leone, futures	lb	.23 Nom.
Chillies, Haitian, bgs	lb	No stocks
Mexican, long	lb	No stocks
White, bgs	lb	.76 - .76½
Peppermint, USP, dom., bls	lb	.60 - .65
imported, bls	lb	.75 - .80
Perchloroethylene, dms., c.l., zone 1, works, frt. alld.	lb	.10½- —
zone 2, same basis	lb	.11½- —
zone 3, same basis	lb	.11½- —
zone 4, same basis	lb	.11½- —
l.c.l., zone 1, same basis	lb	.11½- —
zone 2, same basis	lb	.12 - —
zone 3, same basis	lb	.12½- —
zone 4, same basis	lb	.12 - —
tanks, zone 1, same basis	lb	.10½- —
zone 2, same basis	lb	.10½- —
zone 3, same basis	lb	.11½- —
zone 4, same basis	lb	.10½- —

Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash

Peru balsam, dms	lb	.75 - .85
Petrolatum, tech., dark, bbls., c.l., group 3	lb	.021 - —
f.o.b. Indiana refy	lb	.04½- —
golden topaz, bbls., c.l.	lb	.032 - —
l.c.l.	lb	.036 - —
red, veterinary, bbls., c.l.	lb	.024 - —
l.c.l.	lb	.028 - —
USP, amber, non-ret. dms., c.l.	lb	.04½- —
Pennsylvania refy	lb	.04½- —
l.c.l.	lb	.05½- —
California refy	lb	.08½- —
cream, c.l., dms	lb	.06½- —
l.c.l.	lb	.08½- —
extra, amber, dms., c.l.	lb	.05 - —
Pennsylvania refy	lb	.04½- —
l.c.l.	lb	.06½- —
white, lily, dms., c.l.	lb	.06½- —
l.c.l.	lb	.08½- —
snow, dms., c.l.	lb	.07½- —
Pennsylvania refy	lb	.07½- —
l.c.l.	lb	.09½- —
California refy	lb	.12 - —
soft, dms., c.l.	lb	.06½- —
Pennsylvania refy	lb	.06½- —
l.c.l.	lb	.07½- —
California refy	lb	.10½- —
yellow, soft, dms., c.l.	lb	.04½- —
Pennsylvania refy	lb	.04½- —
l.c.l.	lb	.06 - —
California refy	lb	.08½- —
Petroleum, crude, bulk, at wells, California	bbl	1.94 - 2.88
Illinois	bbl	2.65 - 2.77
Kentucky	bbl	2.60 - 2.77
Louisiana-Arkansas	bbl	2.14 - 2.75
Montana	bbl	2.50 - 2.65
Oklahoma-Kansas	bbl	2.23 - 2.65
Pennsylvania, lower field	bbl	5.00 - —
Upper field	bbl	3.19 - 5.00
Texas, East	bbl	2.45 - —
Gulf coast	bbl	2.78 - 2.95
North, North-Central	bbl	2.23 - 2.65
Panhandle	bbl	2.23 - 2.65
West	bbl	2.10 - 2.72
Wyoming	bbl	1.90 - 2.65
Ether, laboratory, 30°-60° C, cns., divd. E.	gal	1.50 - —
dms., c.l., group 3	gal	.26 - —
l.c.l., same basis	gal	.44 - —
35°-61° C, 10-gal. cns., divd. E.	gal	1.50 - —
dms., c.l., Group 3	gal	.26 - —
l.c.l., same basis	gal	.44 - —
40°-75° C, 10-gal. cns., divd. E.	gal	1.50 - —
dms., c.l., Group 3	gal	.26 - —
l.c.l., same basis	gal	.44 - —
90°-160° C, ret. dms., ex-tax, f.o.b. San Francisco	gal	.57 - —
Fuel oil, bunker C (No. 6), California, heavy tanks, refinery	bbl	2.10 - 2.20
light, tanks, refinery	bbl	2.35 - 2.40
Eastern, tanks, Albany, N.Y.	bbl	3.249 - —
Baltimore, Md.	bbl	3.06 - 3.17
Boston, Mass.	bbl	3.055 - 3.315
Charleston, S. C.	bbl	2.96 - —
Jacksonville, Fla.	bbl	2.99 - 3.41
New York, N. Y.	bbl	3.06 - 3.57
Norfolk, Va.	bbl	3.00 - 3.04
Philadelphia, Pa.	bbl	3.03 - 3.27
Portland, Me.	bbl	3.065 - 3.115
Providence, R. I.	bbl	3.045 -3.085
Savannah, Ga.	bbl	2.99 - 3.03
Diesel, tanks, refinery, California	gal	.0785- .093
Pennsylvania	gal	.11 - .125
Furnace, tanks, refinery, Arkansas, No. 2	gal	.09125- —
No. 3	gal	.08875- —
Bayonne, N. J., No. 2	gal	.094 - —
Group 3, No. 1	gal	.09125- .0925
No. 1, straw	gal	.08875- —
No. 2, straw	gal	.09 - .10
No. 3	gal	.0925- —
range	gal	.095 - —
Pennsylvania, No. 1	gal	.1125- .13
No. 2	gal	.11 - .13
No. 3	gal	.11 - .125
Lacquer diluent, California, 170-255 F. b.r., tanks, ex-tax, f.o.b. Los Angeles	gal	.147 - —
Portland, Ore.	gal	.158 - —
San Francisco	gal	.152 - —
Seattle, Wash.	gal	.158 - —
East coast, tanks, N. J. and N. Y. refinery	gal	.16 - —
Hexane-type, tanks, Bayonne, N.J.	gal	.16 - —
Group 3, benzol-type, tanks, refinery	gal	.1225- .13
toluol-type, tanks, refinery	gal	.1225- .13

Petroleum, mineral spirits, California, 170-255 b.r., tanks, ex-tax, f.o.b. San Francisco	gal	1.52 - —
205-295 b.r., tanks, same basis	gal	.152 - —
245-360 b.r., tanks, same basis	gal	.152 - —
305-362 b.r., tanks, same basis	gal	.142 - —
312-400 b.r., tanks, same basis	gal	.142 - —
360-455 b.r., tanks, same basis	gal	.152 - —
East coast, tanks, N. J., N. Y., refinery	gal	.14 - —
Group 3, tanks	gal	.1025- .113
Gulf coast, tanks, refinery	gal	.0875- —
tankwagon, Baltimore	gal	.175 - —
Boston	gal	.16 - —
Buffalo	gal	.165 - —
Camden, N. J.	gal	.15 - —
Chicago	gal	.195 - —
Detroit	gal	.211 - —
Kansas City, Mo.	gal	.182 - —
Lancaster, Pa.	gal	.16 - —
Newark	gal	.15 - —
New York	gal	.15 - —
Philadelphia	gal	.15 - —
Pittsburgh	gal	.175 - —
Providence	gal	.165 - —
Rochester	gal	.175 - —
St. Louis	gal	.189 - —
Syracuse	gal	.185 - —
Washington, D. C.	gal	.175 - —
Naphtha, cleaners, California, tanks, San Francisco	gal	.123 - —
East coast, tanks, N. J., N. Y., refinery	gal	.14 - —
Group 3, tanks	gal	.10625- .12
tankwagons, St. Louis	gal	.1470- —
Newark	gal	.15 - —
Chicago	gal	.141½- —
Detroit	gal	.153½- —
New York	gal	.15 - —
Philadelphia	gal	.15 - —
high-flash, 140° F. group 3, refinery, tanks	gal	.13 - .145

Petroleum, naphtha, high-solvency, tanks, refinery, 290-385 b.r., 37-38° C. mixed aniline pt.	gal	.22 - —
25-26° C. m.a.p.	gal	.21 - .26½
270-370 b.r., 78-81° C. m.a.p.	gal	.24½- 26
49° C. m.a.p.	gal	.29 - —
26° C. m.a.p.	gal	.21 - .26
300-400 b.r., 26-32° C. m.a.p.	gal	.21 - .26½
340-410 b.r., 32° C. m.a.p.	gal	.21 - —
36° C. m.a.p.	gal	.21 - .28½
350-440 b.r., 32° C. m.a.p.	gal	.26½- —
360-480 b.r., 25° C. m.a.p.	gal	.21 - —
V.M.&P., California, 245-360 b.r., tanks, ex-tax, f.o.b. Los Angeles	gal	.147 - —
Portland, Ore.	gal	.158 - —
San Francisco	gal	.152 - —
Seattle, Wash.	gal	.158 - —
Calif., 205-290 b.r., tanks, ex-tax, f.o.b. Los Angeles	gal	.147 - —
Portland, Ore.	gal	.158 - —
San Francisco	gal	.152 - —
Seattle, Wash.	gal	.158 - —
East coast, N. J., N. Y., tanks, gal	gal	.15 - —
Group 3, tanks	gal	.1125- .12
Gulf coast, tanks, New Orleans	gal	.12375- —
tankwagon, Boston	gal	.175 - —
Chicago	gal	.205 - —
Detroit	gal	.221 - —
Milwaukee	gal	.207 - —
Minneapolis	gal	.205 - —
Newark	gal	.165 - —
New York	gal	.165 - .17
Philadelphia	gal	.165 - —
Pittsburgh	gal	.185 - —
St. Louis	gal	.199 - —

Penicillin—Phenol

Solvent, rubber, California, tanks, ex-tax, San Francisco	gal	.152 - —
East coast, N. J., N. Y., gal	gal	.15 - —
Group 3 tanks	gal	.11 - .1175
Stoddard California, tanks, ex-tax, San Francisco	gal	.142 - —
East coast, N. J., N. Y., tanks	gal	.14 - —
Group 3, tanks	gal	.11 - .1175
Pennsylvania, western, tanks, gal	gal	.10 - —
tankwagon, Boston	gal	.16 - —
Chicago	gal	.153½- —
Detroit	gal	.177½- —
Milwaukee	gal	.163½- —
Minneapolis	gal	.161 - —
Newark	gal	.15 - —
New York	gal	.15 - —
Philadelphia	gal	.15 - —
Pittsburgh	gal	.15 - —
St. Louis	gal	.17 - —
Syracuse	gal	.17 - —
Sulphonate, 70% sulphonic content, ret. dms., c.l., wks.	lb	.13½- —
l.c.l., works	lb	.15½- —
tanks, works	lb	.13¾- —
60% sulphonic content, ret. dms., c.l., works	lb	.12½- —
l.c.l., works	lb	.12½- —
tanks, works	lb	.10¾- —
Phenobarbital, dms., 100 lbs.	lb	4.00 - 4.35
Phenol, 90-92% (cresol, 8-10%), dms., c.l., works, and frt. equald.	lb	.13½- .14
l.c.l., same basis	lb	.14¼- .14⅝
tanks, same basis	lb	.12½- .13

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a non-staining, non-discoloring oxidation inhibitor

...to add lasting quality to rubber products

PHYSICAL PROPERTIES OF THE PURE COMPOUND

Melting point	70° C
Boiling point	265° C
Specific Gravity, t/4° C	1.048 at 20° C 0.899 at 80° C
Vapor Pressure	20 mm. at 147° C 100 mm. at 191° C
Viscosity	3.47 centistokes at 80° C 1.54 centistokes at 120° C 0.920 centistokes at 160° C
Solubility in absolute ethanol	26% by wt. at 20° C 46% by wt. at 40° C

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- Ionol is a light colored, granular material of high purity. It is readily soluble in petroleum fractions and most organic solvents, but is insoluble in water.

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Phenol, 82-84% (cresol, 16-18%), dms., c.l., same basis...lb. .14½- .15¾
l.c.l., same basis.....lb. .15 - .15½
tanks, same basis.....lb. .13½- .13¾
USP, dms., c.l., same basis.....lb. .13 - .14¼
l.c.l., same basis.....lb. .13¾- .15
tanks, same basis.....lb. .12 - .12½
Phenolphthalein, USP, yellow, bbls., dms., 2,000 lbs...lb. 1.00 - —
smaller lots.....lb. 1.01 - 1.04
Phenothiazine, NF, fib dms., ton lots, works...lb .49 - —
smaller lots, works.....lb. .54 - —
Phenylacetaldehyde solution, 50%, bots, lb 2.35 - 2.75
pure, bots. ..... 4.00 - 4.50
Phenyl acetate, dms., 100-lb lots, works...lb. .50 - —
Phenyldiethanolamine, dms., c.l., wks, lb. .34½- —
l.c.l., works.....lb. .35 - —
Phenylethanolamine, dms., c.l., works, lb. .64½- —
l.c.l., same basis.....lb .65 - —
Phenylethyl acetate, dms. .....lb 1.65 - 2.70
Phenylethylphenyl acetate, bots....lb 4.50 - 6.00
Phenylhydrazin base, CP, bots.....lb 5.00 - 5.07
Hydrochloride, CP, bots., works..lb 5.00 - 5.07
commercial, kgs., works.....lb 1.75 - —
Phenylmethylpyrazolone, dms., works, lb. 1.58 - 1.60
Phloroglucinol, CP, fib. dms.....lb.15.75 - —
tech., fib. dms.....lb.10.00 - —
Phosgene, 150-lb. cyls., works.....lb. .20½- .27
10-lb. cyls., works.....lb. 1.50 - —
Phosphate, defluorinated (see under D.).

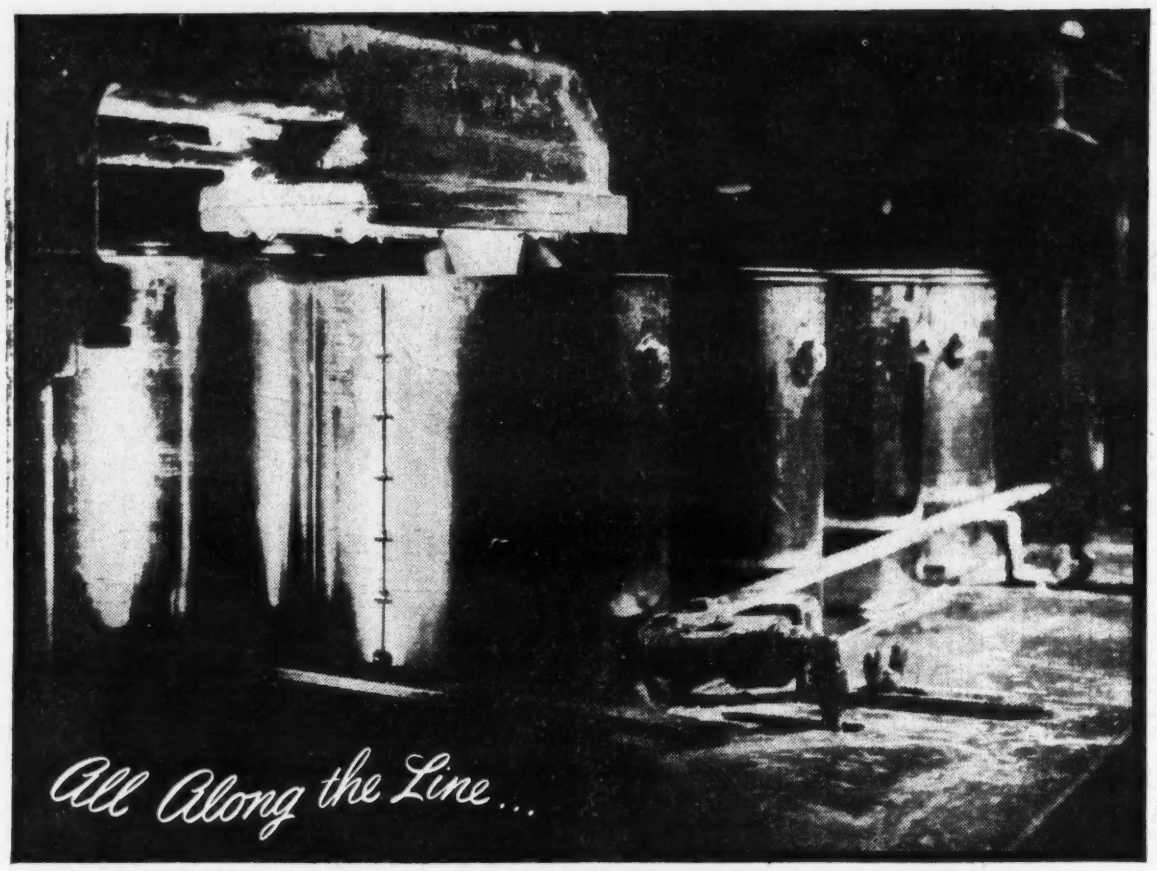
Phosphate rock, Florida, land pebble, run-of-mine, washed, dried, unground, 68-66% b.p.l., bulk, c.l., car at mine..long ton. 4.61 - —
70%-68% b.p.l., c.l., same basis, long ton. 5.01 - —
72%-70% b.p.l., c.l., same basis, long ton. 5.31 - 5.61
75%-74% b.p.l., same basis, long ton. 6.31 - 6.51
77%-76% b.p.l., c.l., same basis, long ton. 7.31 - —
finely ground, 65.5% b.p.l., basis 30% P_2O_5 minimum..short ton. 5.78 - —
68% b.p.l., basis 31% P_2O_5 minimum..short ton. 5.98 - —
70% b.p.l., basis 32% P_2O_5 minimum..short ton. 6.93 - —

Prices for Florida phosphate rock are plus usual bonus penalty clause on oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations.

Tennessee, brown, run-of-mine, unground, 27-26% P_2O_5..long ton. 6.00 - —
30-29% P_2O_5.....long ton. 6.75 - —
Phosphorus, red, amorphous, cs.....lb. .53 - .36
tins, export .....lb. .40 - .45
Yellow, cns. .....lb. .30 - .37
dms., c.l. .....lb. .26 - —
Oxychloride, dms., works.....lb. .12 - .15
Pentoxide, dms., c.l., works.....lb. .12 - —
l.c.l., works .....lb. .13 - .14
Sesquisulphide, tins, cs., works...lb. .28 - .29
Trichloride, dms., c.l., works.....lb. .12 - .15
l.c.l., works.....lb. .13 - .16
Phthalanilide, bbls., works.....lb. .35 - .40
kgs., works .....lb. .45 - .50

Phthalic anhydride, bgs., bbls., c.l., works, frt. equald..lb. .19½- .22½
Pacific Coast, dlvd.....lb. .21½- —
l.c.l., frt. equald.....lb. .20½- .23½
Pacific Coast, dlvd.....lb. .22½- —
Picht leaves, bgs.....lb. .07 - .08
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, bots. .....oz. 5.00 - —
Pilocarpine hydrochloride, USP, bots., vials..oz. 6.50 - 7.50
Nitrate, bots., vials.....oz. 6.25 - 7.25
Pimento, Jamaica, bgs.....lb. .25 - .25½
Pinetar, retort, dms. incl., c.l., works, South..gal. .43½- —
l.c.l., same basis.....gal. .45½- —
whse., N.Y.C.....gal. .54¾- —
tanks, works, South.....gal. .34½- —
Pinkroot, bls.....lb. 2.25 - 2.30
Piperidine, 95%, dms., frt. equald..lb. 1.65 - —
98%, dms., same basis.....lb. 1.75 - —
Piperazine hexahydrate, bots.....lb 8.50 - 9.00
Pipsissewa herb (see Prince's pine).
Pitch, coaltar, 150° m.p., bbls., c.l., works, ton.31.00 - —
l.c.l., works .....ton.34.00 - —
Cottonseed, dms., works.....lb. .10½- .10¾
Hardwood, paper bgs., works....lb. .04 - —
Linseed, dms.....lb. No prices
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms., ex whse, East. ..100 lbs. 6.90 - —
Soybean, dms., works.....lb. .10¼- .10¾
Plaster of paris (see Gypsum).
Platinum metal, works.....oz.93.00 -96.00
Pleurisy root, bls. .....lb. .33 - .34
Podophyllin, dms.....lb.14.25 - —
Pokeroot, bls. .....lb. .17 - .18

Polystyrene, plain colors, dms., 30,000 lbs., works, frt. alld..lb 33 - —
20,000 lbs., same basis.....lb 34 - —
smaller lots, same basis.....lb 35 - .42
water-clear, dms., 30,000 lbs., works, frt. alld..lb 27 - —
20,000 lbs., same basis.....lb. 28 - —
smaller lots, same basis.....lb. 29 - .35
Pomegranate root bark, bgs.....lb. 75 - .76
Poppy flowers, bls. .....lb. .50 - .55
Seed, Danish, bgs., futures.....lb. .24½- .25
Dutch, bgs. .....lb. .20 - .22½
Turkish, bgs. .....lb. 13½- .14
futures, bgs. .....lb. .12 - .13½
Potash, caustic, low-chloride, flake, 90% dms., c.l., works..100 lbs. 9.60 - —
l.c.l., works.....100 lbs.10.35 - —
liquid, dms., c.l., works..100 lbs. 9.00 - —
l.c.l., works.....100 lbs. 9.75 - —
tanks, works .....100 lbs. 8.25 - —
solid, 90%, dms., c.l., works, 100 lbs. 9.60 - —
l.c.l., works.....100 lbs. 9.75 - —
regular, flake, 88-92%, dms., c.l., works..lb. .078- —
l.c.l. works .....lb. .080- —
liquid, 45% basis, dms., c.l., works..lb. .0575- —
l.c.l., same basis .....lb. .0395- —
tanks, same basis.....lb. .031½- —
solid, 88-92%, dms., c.l., works.lb. .07½- —
l.c.l .....lb. .08 - —
Potassium abietate.....lb. .08 - —
Acetate, USP, dms.....lb. .28 - .30
Bicarbonate, USP, gran., dms....lb. .20 - .22
powd., dms.....lb .22 - .24
Bichromate, bgs., c.l., works.....lb. .12½- —
l.c.l. .....lb. .12½- .13½
Potash bichromate in bbls., ¼c. higher.
Borate, gran., bbls., c.l. works..ton.200.00 - —
ton lots, works.....ton.218.50 - —
less ton lots, works.....ton.225.50 - —
Bromate, bbls., 1,000 lbs. or more, lb. .48 - —
25-200 lbs .....lb. .60 - —
Bromide, USP, cryst., gran., bbls., kgs..lb. .33 - .34
Carbonate, tech., calcined, bbls., c.l., works..lb. .07½- —
l.c.l., same basis .....lb. .08 - —
hydrated, 85-85%, bbls., c.l., works..lb .06 - —
dms., l.c.l., works .....lb. .06½- —
Carbonate, USP, gran., bbls., dms.lb. .16 - .18
powd., bbls., dms.....lb. .21 - .23
Chromate, tech., bgs.....lb. .25 - .29
Chlorate, cryst., kgs., c.l., works, lb. .08½- —
l.c.l., works.....lb. .09½- —
powd., dms., kgs., c.l., works..lb .09 - —
l.c.l., works.....lb. .09½- —
export, kgs., 1 to 10 tons, ex whse..lb .12 - —
Chloride, USP, cryst., bbls.....lb. .26 - .27
gran., bbls .....lb. .29 - .32
powd., bbls.....lb. .29 - .32
Citrate, USP, gran., dms.....lb. .37½ .42½
Potash citrate, USP, powd., 3c. per lb. higher.
Cyanide, dms., works.....lb. .55 - —
Fluoride, dms., works.....lb. .24 - —
Glycerophosphate, 75% solution, cbys lb. 2.05 - 2.20
Guaiacol sulphonate, NF, dms....lb. 1.80 - 1.85
Hydroxide, tech. (see Potash, caustic)
USP, sticks, cns.....lb .24 - .30
Hypophosphite, dms.....lb. .78 - —
Iodide, dms. .....lb 1.95 - 1.10
Manure salt, 22% K_2O, bulk, mines, unit-ton .20 - —
25% K_2O, bulk, mines, unit-ton. .21 - —
Metabisulphite, gran., bbls.....lb. .19 - .21
powd., bbls.....lb. .25 - —
Muriate, dom., 60% K_2O, bulk, Carlsbad, N. M..unit-ton. .37½- —
Trona, Cal. .....unit-ton .45½- —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls..lb. .50 - —
Perchlorate, kgs., works.....lb. .12½- .14
Permanganate, tech., kegs, works, lb. .21¾- .22½
USP, dms., works.....lb. .23½- .24
Persulphate, dms., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .21 - —
Phosphate, tetrabasic, bbls., works, lb. .13 - .13½
Prussiate, red, kgs.....lb. .25 - .28
Yellow, bbls.....lb. .19 - —
Ricinoleate, tech., bbls.....lb. .18 - —
Silicate, glass, bgs., c.l., works..ton.200.00 - —
l.c.l. .....100 lbs.15.25 - —
solution, 25° Be. ret. drums, c.l., works..100 lbs. 4.25 - —
l.c.l., 5 or more, works..100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
32° Be, ret. dms., c.l., works, 100 lbs. 4.75 - —
l.c.l., 5 or more, works, 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
solut., 40.5° Be, ret. dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works, 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Silicofluoride, dms., works.....lb. .09 - —
Sulphate, NF, cryst., bbls.....lb. .31 - .33
powd., bbls.....lb. .14½- .15
tech., dom., bulk, basis 90-95% K_2SO_4 min. 90%, works..ton.32.50 - —
Sulphocyanide, cryst., NF (see Potassium thiocyanate).
Thiocyanate, cryst., NF, dms.....lb. .70 - .78
tech., works .....lb. .45 - .50
Titanate, cns., c.l., works.....lb. .12 - —
5 tons, works.....lb. .12½- —
1 ton or less, works.....lb. .12½- .13
Xanthate, dms., c.l.....lb. .12 - —
Potassium-magnesium sulphate, bulk, min., 40% K_2SO_4, 18-50% MgO, works..ton.14.50 - —
Potassium-sodium ferricyanide, kgs., works..lb. .45 - .48
Potassium-sodium tartrate (see Rochelle salt).
Potassium - titanium oxalate, bbls., dms..lb. .50 - .53
Prickly ash bark, bls.....lb. .28 - .33
Berries, bgs. .....lb. .60 - .65
Prince's pine herb, bls.....lb .55 - .60
Procaine hydrochloride, cns., 200-lb lots..lb. 4.75 - —
smaller lots .....lb. 5.00 - 5.75
Propane, commercial grade, tanks, group 3..gal. .06 - —
Propionaldehyde, dms., c.l., works..lb. .16½- —
l.c.l., works .....lb. .17 - —
tanks, works .....lb. .15 - —
Propyl aldehyde (see Propionaldehyde).
Propyl acetate, dms., c.l., works....lb. .19½- —
l.c.l., works.....lb. .20½- —
tanks, works.....lb. .18 - —
tankwagons, works.....lb. .18½- —
Propylene dichloride, dms., c.l.....lb. .05½- —
l.c.l. .....lb. .09½- —
smaller containers.....lb. .12½- —
tanks .....lb. .07 - —
Oxide, dms., c.l., frt. alld. E.....lb. .20½- —
l.c.l., frt. alld. E.....lb. .21½- —
tanks, frt. equald. E.....lb. .18½- —
Propyleneglycol, N.F., dms., c.l., frt. alld. E..lb. .17 - —
l.c.l., same basis.....lb. .18 - —
tanks, same basis.....lb. .13½- —
Propylthiouracil, bots. works.....kilo.50.00 - —
Psyllium seed (see Fleaseed).
Pulsatilla herb, bls. .....lb. .55 - .60



...White Lead adds MORE of the Properties that Make Good Paint

White Lead fills the bill 14 ways in helping you make good paint.

All along the line... from mixing and grinding to weather resistance... this one pigment offers 14 important paint-making properties. And these properties are imparted to paint in *well-balanced proportion.*

Many of White Lead's paint-making qualities grow out of this pigment's ability to form lead "soaps"... as explained at right.

Let us help you fit "Dutch Boy" Basic Carbonate White Leads into your formulations. Our technical staff will offer recommendations backed by more than 30 years of continuous paint-fence studies... the longest project of its kind on record.

1. Mixing and Grinding Ease
2. Package Stability
3. Hiding
4. Brushability
5. Leveling
6. Drying Action
7. Whiteness
8. Fool-Proofness
9. Film Strength
10. Flexibility
11. Tint Retention
12. Adhesion
13. Gloss
14. Weather Resistance

How Lead "Soaps" Improve Paint

White Lead combines with oil to produce a distinctive type of "soap" formation, having a fibrous structure. The photomicrograph shows how multiple projections radiate from each central core.

As the soaps grow, these projections intermesh and the paint film is mechanically reinforced... given greater toughness, elasticity, adhesion, and weather resistance.

White Lead's tendency to combine with linseed oil also explains the ready wetting of this pigment and consequent mixing and grinding ease.

Dutch Boy *Basic Carbonate* **White Leads**
Reg. U.S. Pat. Off.

NATIONAL LEAD COMPANY — New York 6; Buffalo 3; Chicago 8; Cincinnati 3; Cleveland 13; Pittsburgh 12; St. Louis 1; San Francisco 10; Boston 6, (National Lead Co. of Mass.); Philadelphia 7, (John T. Lewis & Bros. Co.).

Pumice, dom., grd., course, 0½, 1, 1½, 2, 3, bgs., ton lots..lb. .03¾- .04
Chicago, bgs., ton lots.....lb. .04½- —
smaller lots.....lb. .05¼- .04¾
fine, bgs., ton lots.....lb. .03¾- —
smaller lots.....lb. .05¼- .04
Italian, silk-screen, fine, bgs., ton lots..lb. .04 - —
course, bgs., ton.....lb. .03½- —
sun dried, fine, bgs., ton lots...lb. .03 - —
course, bgs., ton lots.....lb. .04½- —
Pumice in bbls. is ½c. per lb. higher
Pumpkin seed, bgs. .....lb. .25 - .26
Purple lake (see Red).
Pyrethrum concentrate, dewaxed, 20%; for aerosol bombs, dms., works..lb. 7.10 - 7.35
liquid (20 to 1), basis 2 grams pyrethrins per 100cc, odorless base, dms., works..gal 5.30 - —
regular base, dms., works, gal. 5.40 - —
(30 to 1), base 3 grams pyrethrins, per 100cc, odorless base, bbls., works..gal. 8.15 - —
regular base, dms., works.gal 8.10 - —
Pyrethrum flowers, fine-grd., 0.9% pyrethrins, bbls., works....lb. .26 - —
powder, 1.3% pyrethrins, bbls., works..lb. .33 - —
Pyridin, denaturing ret. dms., works, and frt. equald..gal. 2.49 - 2.52
refd., 2° non-ret. dms., c.l., same basis..lb. .69 - .70
l.c.l., same basis.....lb. 69½- 70½
ret. dms., l.c.l., same basis....lb. .69 - .80
Pyridoxin hydrochloride, 100-gram lots, gram. .55 - —
Pyrites, Spanish, c.i.f. Atl. ports, long-ton. 8.00 - —
Pyrocatechin (see Catechol).
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines .ton.11.00 11.50
325 mesh, bulk, c.l., mines..ton.12.00 - —
325 mesh, bulk, c.l., mines... ton.14.00 - —
No. 3, 200 mesh, bulk, c.l., mines, ton. 9.50 - —
insecticide grade, 200 mesh, bulk, c.l., mines..ton. 9.00 -10.00
rubber grade, 140 mesh, bulk, c.l., mines..ton. 7.00 - —
Pyrophyllite in paper bgs., $3 to $3.50 per ton extra.
Pyroxylin scrap, opaque, amber, cs., works..lb. .17 - —
black, cs., works.....lb. .14 - —
gray, cs., works.....lb. .14 - —
mixed, mottled, cs., works...lb. .12 - —
white, china, ivory, cs., works, lb. .17 - —
dense cs., works.....lb. .17 - —
transparent, pastels, cs., works.lb. .17 - —
transparent, colorless, cs., works, lb. .19 - —
colors, cs., works..... lb. .17 - —
shavings, opaque, amber, cs., works, lb. .15 - —
mixed colors, cs., works.....lb. .14 - —
white, cs., works.....lb. .17 - —

Q

Quassia chips, bls.....lb. .07 - .09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l..lb. .17½- —
liq., 25% tannin, bbls., works.lb. .09½- —
bbls., same basis.....lb. .09 - —
solid, 64% tannin, bgs., c.l., duty extra...lb. .13½- —
pwd., 70% tannin, bgs., c.l., same basis.....lb. .18 - —
ordinary, solid, 65% tannin, bgs., c.l., ex dock, same basis...lb. .1275- —
Quebracho extract prices are based on freight and $1 insurance per long ton. $20.40
Queen of the meadow root bgs....lb. .12 - .13
Quercitron crystals, bbls., l.c.l.....lb. .33½- —
Extract, liquid, bbls., l.c.l.....lb. .11½- —
solid, bxs.....lb. .28 - —
Quicksilver, flasks (76 lbs.) net..flask.76.00 -78.00
Quince seed, bgs.....lb. .95 - 1.75
Quinidine, NF, V. cryst., cns.....oz. 1.30 - —
powd., precip., cns.....oz. 1.22 Nom.
Sulphate, USP, cns.....oz. .95 - —
Quinine, NF, cns., 100 ozs.....oz. 1.00 - —
Arsenate, cns. 100 ozs.....oz. 1.30 - —
Bisulphate, USP, cns., 100 ozs....oz. .73 - —
Dihydriodobromide, bots., 50 ozs...oz. 1.60 Nom.
Dihydrochloride, USP.....oz. 1.00 - —
Ethylcarbonate, NF, cns., 100 ozs.oz. .95 Nom.
Formate, cns., 100 ozs.....oz. 1.20 Nom.
Hydrobromide, NF, cns., 50-oz cns. oz. .91 - —
Hydrochloride, USP, cns., 100 ozs.oz. .91 - —
Hypophosphite, cns., 100 ozs....oz. 1.40 - —
Phosphate, NF, cns., 100 ozs.....oz. 1.10 - —
Salicylate, NF, cns., 100 ozs.....oz. .95 - —
Sulphate, USP, crs., 100 ozs.....oz. .80½- —
Tannate, USP X, cns., 100 ozs.....oz. .60 Nom.
Valerate, NF, IV, 100 ozs.....oz. 1.25 - —
Quinine-urea hydrochloride, NF, cns.oz. .97 - —
Quinolin, dms., c.l., works.....lb. 54½- 55
l.c.l., works.....lb. .55 - .55½

R

R salt, dry, bbls.....lb. .69 - .70
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.45 - 2.25

Prices 5c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 11½c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 11½c.), (El Paso, 2.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher, dlvd Pacific coast prices equaled with Chicago, dlvd. Denver, Pueblo, Salt Lake City, Wichita

Cadmium lithopone, deep shade, bbls., frt. alld. E. of Rockies..lb. 1.25 - —
light shade, bbls., same basis.lb. 1.10 - —
nervous, bbls., same basis.....lb. 1.35 - 1.45
medium shade, bbls., same basis, lb. 1.20 - —
medium-light shade, bbls., same basis..lb. 1.15 - —
orange-red, bbls., same basis..lb. 1.05 - —

Red cadmium lithopone, all shades, in smaller pkgs. 5c. per lb. higher; all prices are 1c. per lb. higher ex whse., Los Angeles and San Francisco.

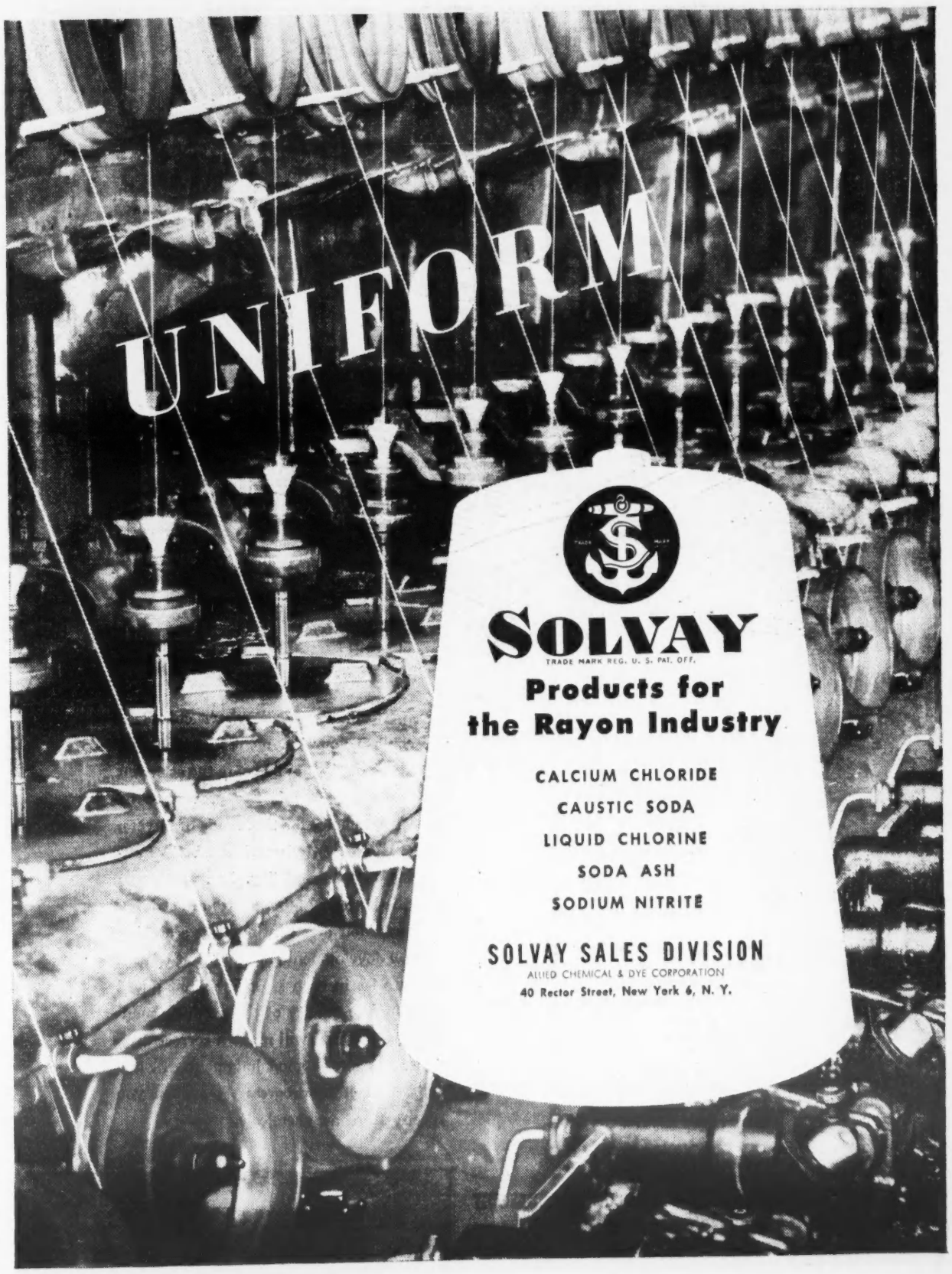
Carmine, No. 40 (see Carmine).
Crocus martis (see Red, maroon, iron oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works.....lb. 1.35 - —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y., lb. .11½- .11¾
Iron oxide, synth., bgs.....lb. .11½- .11¾
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O., Easton, Pa., E. St. Louis, and Trenton, N. J..lb. 05¼- .09¼
Lake C toner, alizarin, bbls., works, lb. 1.05 - —
Lithol toner, bbls., works.....lb. 80 - —
Litholrubin toner, alizarin lake, bbls., works..lb. 1.40 - —
Red, maroon, alizarin lake, 25%, kgs., works..lb. .40 - .43
toner, bbls., works.....lb. 1.35 - 1.50
Cadmium, deep, bbls., works...lb. 1.20 - —
regular, bbls., works.....lb. 1.10 - —
Iron oxide, bgs., l.c.l., works...lb. .04 - —
MNPT toner, kgs., works.....lb. 3.25 - —
Maroons in smaller pkgs., 5c. per lb. higher
Mercury oxide, tech., bbls., 10,000 lbs. works..lb 2.00 - —
smaller lots, works.....lb. 2.02 - —
Metallic, bbls., works.....lb. 02½- 02¾
Oxide (see Red, iron oxide).
Oxide, Persian gulf, bgs., works..lb. .06¾- .07
Para toner, bbls. .....lb. .85 - .88
chlorinated, kgs. .....lb. .95 - 1.05
concentrated, alizarin lake, kgs., works..lb. .80 - —
Phloxin toner (see eosin toner).
Phosphotungsic, rhodamine Y, kgs., works..lb. 4.45 - —
Pink lake, alizarin, bbls., works..lb. .20 - .26
Purple lake, kgs. .....lb. 1.35 - —
Rose lake, alizarin, bbls., works....lb. .25 - .28
Spanish oxide, grade I, bbls., c.l., ex dock..lb. .05½- .05¾
l.c.l., ex dock.....lb. .05¾- .06
ex whse., New York.....lb. .06½- —
grade 2, bbls., c.l., ex dock..lb. .05¼- .05½
l.c.l., ex dock.....lb. .05½- .05¾
ex whse., New York.....lb. .06¼- —
Toluidin toner, alizarin lake, kgs., works..lb. 1.35 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., frt. equald.....lb. .24½- .25

Pumice—Salicin

Red, Venetian, 15%, bgs., works....lb. .0250- —
20%, bgs., works.....lb. .0300- —
27%, bgs., works.....lb. .0410- —
30%, bgs., works.....lb. .0440- —
35%, bgs., works.....lb. .0465- —
40%, bgs., works.....lb. .0490- —
Vermilion, Amer., bbls. .....lb. .22¼- .48
Quicksilver, ctns.....lb. 2.27 - —
Red precipitate, NF, powd., fib. dms.lb. 2.17 - 2.19
Red saunders, wood, grd., bbls.....lb. .35 - —
Resorcinol, tech., dms., works.....lb. .68 - —
USP, cryst., dms., works.....lb 1.80 - —
powd., dms., works.....lb 2.00 - —
Rhatany root, bgs. .....lb. .09 - .10
Rhubarb root, whole, cs.....lb. .45 - .50
powd., bbls. .....lb .50 - .55
Riboflavin, USP, bots.....kilo.125.00 - —
95%, bots. .....kilo.125.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif.lb. .79 - —
Rochelle salt, gran., powd., bbls., 5,000 lbs..lb. .31½- —
smaller lots.....lb. .32 - —
Rose flowers, pale, bls. .....lb. .23 - .24
Rosemary flowers, bls. .....lb 1.55 - 1.65
Leaves, French, bls.....lb. 13 Nom.
Portuguese, bls. .....lb. .08 - 08½
Spanish, bls. .....lb. .09 - .09½
Rotenone, cryst., bbls., works.....lb.18.00 -20.00
Extract, liq., dms., works, per unit of 1 percent. 2.50 - —
Powder (see Cube root).
Rottenstone, bgs., c.l., mines....ton.36.00 - —
l.c.l., mines .....ton.43.00 - —
Rue herb, bls. .....lb. .40 - .45
Rutin, bots. .....gram. .23 - .29
Rosin, gum (see Naval Stores, Protective Coatings market).
Wood, B, dms., c.l., works....100 lbs. 5.60 - —
FF, dms., c.l., works.....100 lbs. 6.50 - —
G, H, I, dms., c.l., works..100 lbs. 7.40 - —
K, dms., c.l., works.....100 lbs. 7.40 - —
M, dms., c.l., works.....100 lbs. 7.40 - —
N, dms., c.l., works.....100 lbs. 7.40 - —
WG, dms., c.l., works.....100 lbs. 7.40 - —
WW, dms., c.l., works.....100 lbs. 7.60 - —
X, dms., c.l., works.....100 lbs. 7.70 - —

S

Sabadilla seed, powd., bbls.....lb. .42 - —
activated ground with lime, bbls.lb. .34 - .35
Saccharin, gran., soluble, 1,000 lbs...lb. 1.50 - —
smaller lots .....lb. 1.60 - 1.70
powd., soluble, insoluble, dms., 1,000-lb. lots..lb. 1.55 - —
smaller lots .....lb. 1.65 - 1.85
Safflower (see Saffron, Mexican).
Saffron, Mexican, bls.....lb. 1.00 - 1.10
Spanish, USP, tins.....lb.27.00 -28.00
boxes .....lb 25.00 -26.00
Safrol, dms. .....lb. .78 - 1.20
Sago flour, bgs.....lb. .09 - —
Dalmatian, bls. .....lb. .22 - .23
Greek, fancy, bls.....lb. .13½- .14
Spanish, bls. .....lb. .13½- .14
Syrian, bgs.....lb. .21 Nom.
Sago flour, bgs. .....lb. .08½- —
Salicin, bots. .....lb. No stocks
cns. .....lb. No stocks



Saligenin—Sodium Lactate

Saligenin, dms., works	lb.	20.00 - 25.00
Salol, gran., bbls., kgs.	lb.	1.00 - —
fib. dms.	lb.	1.02 - 1.03
Powdered salol, 10c. higher		
Salt, rock, bgs., c.l.	ton.	18.10 - —
l.c.l.	ton.	22.40 - 23.00
Table, vacuum, common, fine, bgs., c.l., works	ton.	19.60 - 21.60
l.c.l.	ton.	24.40 - 26.40
Saltcake, dom., bulk, works	ton.	25.00 - 28.00
Chrome (see Chrome cake).		
Saltpeter, cryst., bbls., 10 tons	100 lbs.	13.90 - —
smaller lots	100 lbs.	14.15 - 14.40
gran., bbls., 20 tons	100 lbs.	9.25 - —
smaller lots	100 lbs.	10.50 - 11.00
powd., bbls., 20 tons	100 lbs.	10.25 - —
smaller lots	100 lbs.	11.50 - 12.00
Saltpeter in bags 25c. per 100 lbs. less than in barrels; in kegs, $1 more.		
Sanguinarine nitrate, bots.	oz.	4.75 - 5.50
Santonin, cryst., powd., cns.	kilo.	190.00 - 200.00
Saponin, No. 1, cns.	lb.	2.45 - —
Sarsaparilla root, dom., bls.	lb.	.40 - .45
Honduras, bls.	lb.	.40 - .42
Mexican, bls.	lb.	.30 - .32
Sassafras bark, ord., bls.	lb.	.30 - .31
select, bls.	lb.	.60 - .65
Savory, French, bls.	lb.	.20 - .20½
Spanish, bls.	lb.	.14 - .14½
Saw palmetto berries, bgs.	lb.	.24 - .25
Scammony resin, lump, cns.	lb.	2.10 - 2.25
powd., cns.	lb.	2.20 - 2.30
Root, bgs.	lb.	.13 - .14
Schaeffer's salt, bgs.	lb.	.60 - .62
Seidlitz mixture, bbls., 5,000 lbs.	lb.	.27½- —
smaller lots	lb.	.28½- —
kegs, 5,000 lbs.	lb.	.28½- —
smaller lots	lb.	.28¾- —
Selenium, powd., cns., 10-lb. lots	lb.	2.10 - —
cs., 1,000-lb. lots	lb.	2.00 - —
Senega root, bls.	lb.	1.95 - 2.05
Senna leaf, Alex., half-leaf, bls.	lb.	.26 - .27
siftings, bgs.	lb.	.22 - .23
Tinnevelly, No. 1, bls.	lb.	.20 - .24
No. 2, bls.	lb.	.17 - .19
No. 3, bls.	lb.	.13 - .14
Pods, bls.	lb.	.14 - .15
Serpentaria root, bls.	lb.	2.50 - 2.75
Shellac, bleached, bonedry, bgs., 1,500-lb lots	lb.	.62½- —
bbls., 1,500-lb. lots	lb.	.63 - —
kgs., 1,500-lb. lots	lb.	.65 - —
refined, bgs., 1,500-lb. lots	lb.	.72½- —
bbls., 1,500-lb. lots	lb.	.73 - —
kgs., 1,500-lb. lots	lb.	.75 - —
bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.		
Lemon, No. 1, bgs.	lb.	.68 - .69
No. 2, bgs.	lb.	.66 - .67
Superfine, bgs., 10 bgs.	lb.	.63 - .64
TN, bgs., 10 bgs.	lb.	.59 - .62
Shellac in 1 to 9 bgs., 1c. more.		
Silica amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works	ton.	20.00 - 30.00
l.c.l., works	ton.	25.00 - —
hard-quartz, 99½%, 325 mesh, bgs., c.l., works	ton.	15.00 - —
l.c.l., works	ton.	20.00 - —
99½%, 140 mesh, bgs., c.l., works	ton.	10.00 - —
l.c.l., works	ton.	15.00 - —
Tetrachloride, tech., dms., c.l., works	lb.	.15½- —
l.c.l., works	lb.	.16¼- .27
Silver bullion, ingots, cs.	oz.	.75½- —
Cyanide, fib. dms., 2,500-oz. lots	oz.	.68½- —
1,000-oz. lots	oz.	.68⅝- —
500-oz. lots	oz.	.68⅞- —
250-oz. lots	oz.	.69⅛- —
Nitrate, CP, cryst., bots., 2,500-oz. lots	oz.	.47¾- —
500-oz. lots	oz.	.49¾- —
100-oz. lots	oz.	.49½- —
250-oz. lots	oz.	.50 - —
USP granular silver nitrate, 2c. per oz. higher.		
Proteinate, mild, USP, bots., dms., 1,000-oz. lots	oz.	.45 - —
strong, bots., dms., 1,000-oz. lots	oz.	.40 - —
Simarubra bark, bls.	lb.	.85 - .80
Skullcap herb, Eastern, bls.	lb.	.85 Nom.
Western, bls.	lb.	.30 - .35
Skunk cabbage root, bls.	lb.	.35 - .40
Slate flour, bgs., c.l., works	ton.	11.00 - 12.00
l.c.l., ex whse.	ton.	20.00 - 60.00
Sloe berries, bgs.	lb.	.33 - .40
Smalt, black, ctns.	lb.	.11 - —
Blue, ctns.	lb.	.16 - —
Snakeroot, Canada, bls.	lb.	.50 - .55
Soapbark, bls.	lb.	.19 - .20
crushed, bls., bbls.	lb.	.26 - .27
cut, foreign, bbls.	lb.	.28 - .30
powd., bbls.	lb.	.29 - .30
Soda ash, dense, 58%, paper bgs., c.l., works	100 lbs.	1.50 - —
l.c.l., stock points, zone 1	100 lbs.	2.85 - —
2	100 lbs.	3.00 - —
3	100 lbs.	3.35 - —
4	100 lbs.	3.95 - —
Soda ash, dense, 58%, bbls., c.l., works	100 lbs.	2.0 - —
l.c.l., stock points, zone 1	100 lbs.	3.35 - —
2	100 lbs.	3.50 - —
3	100 lbs.	3.85 - —
4	100 lbs.	4.45 - —
bulk, c.l., works	100 lbs.	1.25 - —
light, 58%, paper bgs., c.l., works,	100 lbs.	1.40 - —
l.c.l., stock points, zone 1	100 lbs.	2.75 - —
2	100 lbs.	2.90 - —
3	100 lbs.	3.25 - —
4	100 lbs.	3.85 - —
bbls., c.l., works	100 lbs.	1.90 - —
l.c.l., stock points, zone 1	100 lbs.	3.25 - —
2	100 lbs.	3.40 - —
3	100 lbs.	3.75 - —
4	100 lbs.	4.35 - —
bulk, c.l., works	100 lbs.	1.15 - —

Soda ash prices f.o.b. stock points in zones indicated. Minimum quantity 500 lbs. For less than 500 lbs. prices are ex warehouse. Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La. and Miss., south of 31° Tex. E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 98°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Caustic, flake, powd., 76%, dms., c.l., works	100 lbs.	3.45 - —
l.c.l., divd., zone 1	100 lbs.	5.80 - —
zone 2	100 lbs.	5.95 - —
zone 3	100 lbs.	6.30 - —
zone 4	100 lbs.	6.90 - —
liquid, 50%, sellers' tanks, works, dry basis	100 lbs.	2.40 - —
70%, sellers' tanks, works, dry basis	100 lbs.	2.50 - —
50%, rayon type, tanks, works, dry basis	100 lbs.	2.40 - 2.50
solid, 76%, dms., c.l., works,	100 lbs.	3.05 - —
l.c.l., divd. zone 1	100 lbs.	4.40 - —
zone 2	100 lbs.	4.55 - —
zone 3	100 lbs.	4.90 - —
zone 4	100 lbs.	5.00 - —

Prices f.o.b. stock points in zones indicated, minimum quantity 500 lbs.; for less than 500 lbs., prices are ex-warehouse. Soda caustic zones are same as soda ash.

Sal, bgs., c.l., ex car	100 lbs.	1.35 - —
l.c.l., bgs., ex whse.	100 lbs.	1.75 - —
Sodium acetate, anhyd., dms., works,	lb.	.10 - .11½
NF, cryst., bbls., works	lb.	.08 - .09
Alginate, refined, water soluble, bbls., works	lb.	.79 - —
semi-refined, bbls., works	lb.	.42 - —
white, powd., dms, works	lb.	1.50 - 1.60
Alkylbenzene-sulphate, dms., works,	lb.	.13 - —
Aluminate, for water treat., bgs., c.l., works	100 lbs.	7.60 - —
l.c.l., works	100 lbs.	8.40 - —
other uses, bgs., c.l., works	100 lbs.	7.00 - —
l.c.l., works	100 lbs.	7.50 - 8.00
Antimoniate, bbls., c.l., divd	lb.	.23 - —
l.c.l., divd	lb.	.30 - —
Arsenate dealers, dms., c.l., works	lb.	.12 - —
l.c.l., works	lb.	— - —
Arsenite, gray, dealers, dms., c.l., works	lb.	No stocks
l.c.l., works	lb.	— - —
solution, dms., works	gal.	.70 - 1.00
Benzoate, tech., bbls., 2 tons	lb.	.39 - —
smaller lots	lb.	.40 - .41
USP, dms., 2 tons	lb.	.46 - —
smaller lots	lb.	.47 - .52
Bicarbonate, USP, gran., bgs., c.l., works	100 lbs.	2.25 - —
l.c.l., works	100 lbs.	3.00 - —
powd., bgs., c.l., works	100 lbs.	1.95 - —
l.c.l., works	100 lbs.	2.60 - —
Bichromate, bgs., c.l., works	lb.	.09½- —
l.c.l., works	lb.	.09¾- 09¾
Sodium bichromate, in bbls., ¼c. higher.		
Bifluoride, bbls., c.l., works, frt. equald.	lb.	.11½- .12¼
l.c.l., same basis	lb.	.11¾- .12½
Bisulphate, bulk, c.l., works	100 lbs.	1.50 - —
dms., c.l., works	100 lbs.	2.25 - —
l.c.l., works	100 lbs.	2.65 - —
Bisulphite, powd., bbls., c.l., works,	100 lbs.	3.50 - —
l.c.l., works	100 lbs.	4.00 - —
solut., 35°, bbls., c.l., works	100 lbs.	1.10 - —
l.c.l., works	100 lbs.	1.50 - —
Borate (see Borax).		
Bromide, USP, bbls., kgs., works,	lb.	.33 - .34
Cacodylate, bots., dms.	lb.	9.00 - 12.00
Carbonate (see Soda ash, Soda sal, Sodium mono hydrate).		
Chlorate, cryst., dms., c.l., works	lb.	.07¼- —
l.c.l., works	lb.	.07½- 08
powd., kgs., works	lb.	08¼- —
Chloride (see Salt)		
Chlorite, tech., dms., works	lb.	.75 - —
Chromate, bbls., dms., c.l., works	lb.	.11½- —
l.c.l., works	lb.	.11¾- .11¾
Citrate, USP VIII, bbls.	lb.	.27½- —
dms.	lb.	.29½- .30½
USP XIII, gran., bbls.	lb.	.28 - —
dms.	lb.	.29 - .33
Sodium citrate, USP XIII, powd., prices ½c. higher.		
Cyanate, dms., ton lots, works	lb.	.75 - —
smaller lots, works	lb.	.85 - —
Cyanide, 96-98%, dms.	lb.	.15 - .15½
Diacetate, 33-35% acidity, bbls., works	lb.	.11½- .12½
anhydrous dms., works	lb.	.14 - .15
Fluoride, white, 90%, bbls., c.l., works	lb.	.09¾- —
l.c.l., works	lb.	.10 - —
95%, bbls., c.l., works	lb.	.10 - —
l.c.l., works	lb.	.10½- —
Formate, bgs., c.l., divd	100 lbs.	7.10 - —
l.c.l.	100 lbs.	8.15 - —
Glutamate, monobasic, kgs.	lb.	1.55 - 1.57
Glycerophosphate, NF, flake, bbls.	lb.	1.65 - 1.80
powder, bbls.	lb.	1.70 - 1.85
solution, 75%, cbys.	lb.	1.00 - 1.10
50%, cbys.	lb.	.82 - —
Hydrosulphide (see Sodium sulphydrate).		
Hydrosulphite, dms., c.l., frt. alld.	lb.	.20½- —
l.c.l., frt. alld.	lb.	.21 - —
Hydroxide, tech. (see Soda, caustic).		
USP, sticks, dms.	lb.	.24 - .30
Hypophosphite, dms.	lb.	.73 - —
Hyposulphite, tech., cryst., bgs., c.l., works, frt. equald.	100 lbs.	2.90 - 3.00
l.c.l., same basis	100 lbs.	3.30 - —
pea cryst., bgs., metro area.	100 lbs.	3.30 - —
Soda, hyposulphite, crystals, in bbls., 40c. higher; pea crystals, dms., 50c. higher.		
USP (see Sodium thiosulphate).		
Iodide, USP, dms., jars	lb.	2.72 - 2.88
Lactate, edible, 50%, dms., c.l., works	lb.	.18½- —
l.c.l., dms., works	lb.	.19 - —
tech., 50%, dms., c.l., works	lb.	.12½- .13
l.c.l., dms., works	lb.	.13 - .13½

GOOD JUDGMENT

LIQUID DRIERS
Uversol Liquids
Linoresinate Liquids
Linoleate Liquids
Lithos
Pastes

SOLID DRIERS
Uversol Solids
Linoresinate Solids
Linoleate Solids
Soyate Solids
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Precipitated Resinates
Drying Salts:
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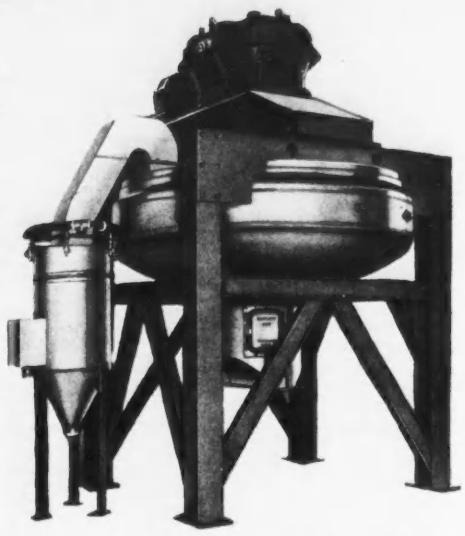
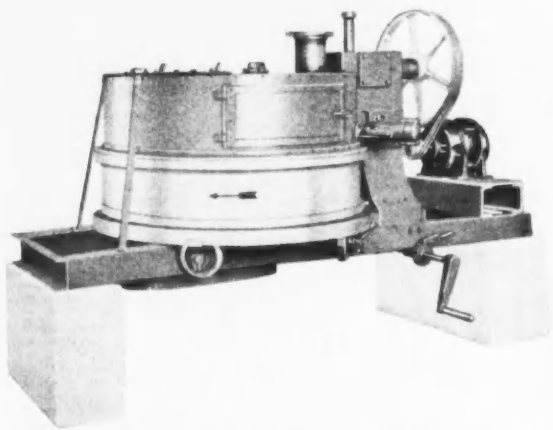
HERE'S YOUR STOCKPILE OF GOOD READY-TO-SHIP EQUIPMENT

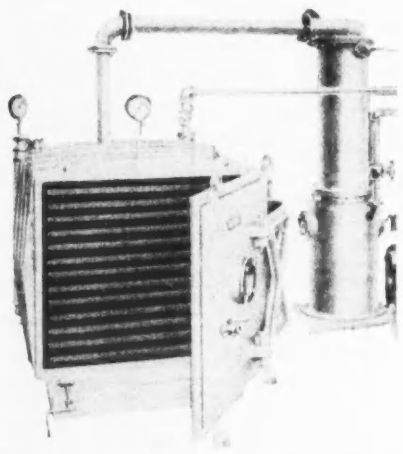
FMC



2 Bartlett & Snow Stainless Steel Vacuum Pan Dryers or Graining Pans; 7'10¾" I.D. x 2'11"; complete with dust collectors and condensers.



4 Lancaster Counter Current Batch Mixers with Stainless contact parts; Model EBG-4; V belt driven by 10 H.P. motors.



4 Devine Vacuum Shelf Dryers No. 11; size of shelves 40" x 43" with 17 shelves or 9 shelves; may be purchased alone or complete with vacuum pump, condenser and accessories.

- LOW COST PILOT PLANTS
- IMMEDIATE INCREASED PRODUCTION
- LABOR ELIMINATION PROGRAM
- PERMANENT INVESTMENT

PLANT LIQUIDATIONS

1 — Fine Chemicals Plant located in South including highly desirable items as follows:—

Reactors—all jacketed and good for vacuum, minimum jacket pressure 60 lbs. some nickel, some stainless steel, some steel—with and without condensers and receivers—10 gal. to 875 gal. capacity. Centrifuge—Monel—32" Fletcher bottom dump, perforate basket, 5/10 HP 860/1725 RPM.
Gas Holder—1000 cu. ft. 10' dia.
Filter Presses—18" and 24", closed washing cast iron
Kettle — Dopp — Nickel Alloy Cast Iron 700 gal., closed agitated — Internal Pressure
Miscellaneous Tanks and Kettles — aluminum, lead lined — open and closed.

1 — Acid Plant located in East — highlighting the following:—

Extractor — Steel 40" Perforate basket—bottom dump, plow, suspended.
Kettle — Frederking 1500 gal.
(2) Chlorine Converters 1000 lbs./hr.
Crystallizer — Swenson Walker 35 ft. — jacketed
Vacuum Pans — Pfaudler and Glascote 1000 and 1500 gal. capacity, jacketed.
Press—Hydraulic—Baldwin 150 ton, 3000 p.s.i. with pump and motor.
Boilers—Scotch Marine—all fired 100 HP, 125 lb. pressure for Dowtherm E.
Tanks, Kettles, Ice Machines, Bucket elevators, condensers, compressors and
Complete Ceramic Recovery System for 300 tons of muriatic acid per month.

2 — Medium Sized Paint Plants located in East including:—

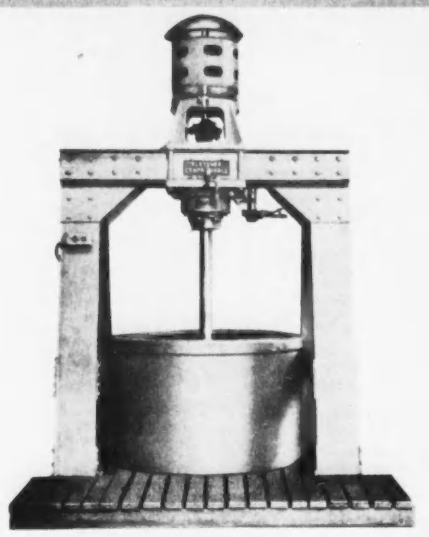
3 Roller Mills—labs and Production sizes
Mixers—Post, Pony and Lead Pebble Mills—Iron Mills and usual miscellaneous equipment.

1 — Soap Plant located in East including:—

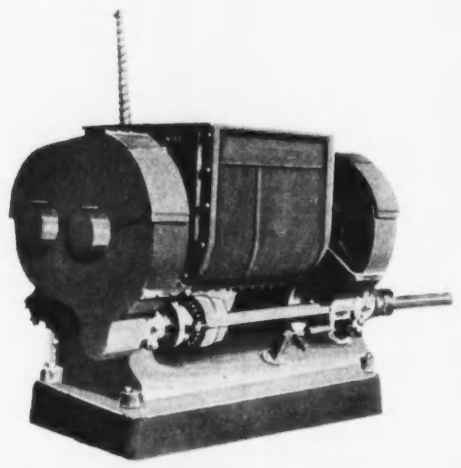
3 Roll and 5 Roll Roller Mills
Soap Plodders
Jacketed Amalgamators
Automatic Soap Wrappers
Automatic Soap Press
(3) Soap Crutchers 3000 lbs.
Two-way Automatic Cutting Table
Miscellaneous Food Presses, Stampers, Hand Cutting Tables, Slabbers, etc.

3 — Oil Extraction Plants located in South and Southwest

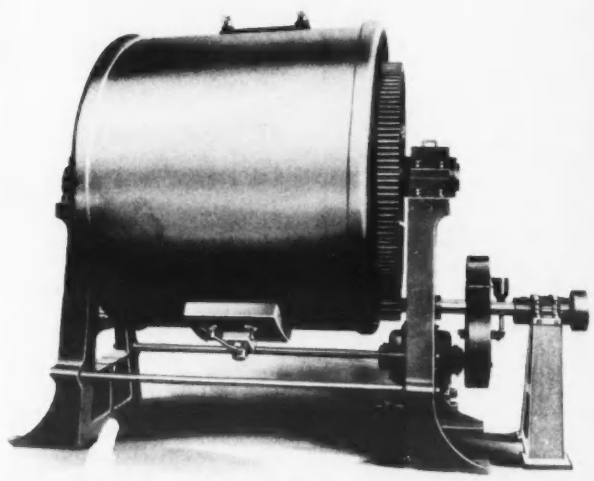
4 Anderson RB Expellers
French Stack Cooker
60 Cotton Oil Presses—15 and 16 platen
French Cake formers
Roller Mills—5 high
Bar and Disc Hullers
Hydraulic Cake Presses
Attrition Mills
Accumulators—high and low pressure.



1 Fletcher 32" Suspended Type perforated Monel Centrifuge bottom dump; complete with 5/10 H.P. two speed 860/1725 RPM motor; many others, see listing Centrifugal Extractors.



55 Heavy Duty Jacketed Mixers, double arm, geared both ends; screw tilt, 150 gal. holding, 100 gal. working capacity.



2 Patterson 6' x 5' Buhrstone Lined Pebble Mills; 2 Abbe 6' x 8' see complete list under classification Pebble, Ball and Tube Mills.

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157 HUDSON ST. WOrth 4-5900 NEW YORK 13, N. Y.

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FMC

THE TRADEMARK THAT IS CHARACTER REFERENCE FOR QUALITY PROCESSING EQUIPMENT

CENTRIFUGAL EXTRACTORS, CLARIFIERS and SEPARATORS

1—New Tolhurst 40" stainless steel suspended type Centrifuge with plow—15 HP motor—perforated basket.
1—A. T. & M. 40" stainless steel Centrifugal, imperforate basket, plow, 40 HP motor.
1—Rochester Engineering 48" stainless steel suspended type. Extractor with 20 HP, 3 speed motor, plow and fume hood.
1—A. T. & M. 40" rubber covered Centrifuge with plow, 15 HP 3 speed motor.
3—Monel 32" suspended type, perforated Centrifugal Extractors by Tolhurst, Fletcher and A. T. & M.
27—Laundry Type Centrifugal Extractors from 12" stainless steel to 72" copper perforated.
19—De Leval Multiple Clarifiers, Nos. 44, 61, 71, 166, 190, 192, 194, 202, 300, 302, 600, 700—some vapor tight.
32—Sharples Centrifuges, Super Centrifuges and oil Clarifiers.
1—De Leval Yeast Separator with 7½ HP AC motor.
6—International cup type Centrifugal Extractors, 4 and 6 cup type 7½", 24" and 30" dia. bowls.

PLASTIC and RUBBER EQUIPMENT

1—Birmingham Farrell 16 x 36" mill with 50 HP AC motor.
2—14 x 30 two roll mills—last used as mottling press.
1—Erie Machinery Co. 18" x 50" rubber mill — with 100 HP AC 3 phase motor.
1—Farrell 36"—2 roll mill—with 50 HP motor, AC.
1—Thropp 16" x 30" mill with 75 HP AC motor.
1—Thropp 16" x 42" mill with 75 HP AC motor.
1—Thropp 16" x 42" mill for gear drive.
1—Farrell 15" x 42" mill for gear drive.
1—Thropp 42" mill with 35 HP 3 phase motor.
1—Farrell 16" x 48" mill, bull gear and pinion gear drive.
2—New Erie 18" x 50" mills with 100 HP AC motors.
1—Farrell 16" x 48" mill with 50 HP 3 phase motor.
1—Farrell 48" mill with 125 HP AC motor.
60" mill with 125 HP AC motor and 36" mill with 40 HP motor.
1—National Rubber Machinery Co. 2½" extruder, worm gear drive.
1—Modern Plastic Machinery Corp. extruder, one year old—cap. 21.8 lbs. per hour with acetate — 18 lbs. per hour with vinyls screw 1¼", complete with motor.
1—National Erie Heavy duty 10" Strainer—gear drive to 150 HP 3 ph., 60 cy., 440 volt 900 RPM motor.
2—National Rubber 2½" standard palstic extrusion machines.
1—#4 Extruder complete with 25 HP 3 ph. motor.
1—Allen 6" rubber extruder or strainer—belt drive.
1—Royle #1 extruder complete with 5 HP AC motor.
1—Royle #3 extruder with 20 HP 3 ph. motor.
1—National Rubber Machinery Co. horizontal extruder #2½—jacketed unit complete with 5 HP 3 ph., 60 cy., 220/440 volt motor.
1—Allen 10" rubber extruder or strainer, gear driven.

HYDRAULIC PRESSES

30—Hydraulic Presses for rubber and plastics, single or multi platen, cold or heated — from lab. size up to 1000 ton, all standard makes.
2—Hydraulic Press Mfg. Co. injection molding machines, Model 100, 4 oz., and Model 200, 9 oz.
1—Watson Stillman Injection molding machine—6 oz.
1—Hydraulic Press Mfg. Co. 450 ton rubber injection molding machine—Size 450-8 horizontal type.
1—McNeill ¾ oz. injection molding machine — Practically new.
1—Hastelloy 9 oz. heating chamber—used 6 hours.
1—Hydraulic Press Mfg. Co.—300 ton open rod, vertical upward acting molding press with rubber Turbojector, with electrically heated hot plates—new used.
1—Erie Molding Press, 12" x 12" electrically heated—42 ton cap., 3000 lbs. pressure—air pull backs, complete with pumps.

DRYERS

68—Rotary Dryers, kilns, coolers and retorts, 2' x 13' to 7' x 126'. Bartlett & Snow, Link Belt, Louisville, Hersey, Vulcan, Christie, Allis-Chalmers, Ruggles Coles, Traylor, Mosser, Hess, and Huhn. Direct and indirect fired by oil, gas, and coal. Steam tube, steam heated and Roto Louvre. Stainless steel, monel and steel
38—Atmospheric Drum Dryers, Flakers, and Chilling Rolls Struthers-Wells, Buffalo, Bagley & Sewell, Black & Clawson and Allbright-Nell Single and double Drum from 2 to 190 sq. ft. of surface. Stainless steel and steel
33—Vacuum Shelf Dryers with and without accessories Devine No. 9, 11, 23, and 31A Buffalo Size C and D Stokes Model 55-EE and others
22—Truck Dryers including J. O. Ross and Gehnrich Oil, electric, and steam heated.
20—Atmospheric tray dryers including Stokes, Proctor & Schwartz and Gehnrich Gas, electric, and steam heated.
19—Conveyor type dryers including Proctor & Schwartz, Sargent, Coe and Gehnrich Up to 740 sq. ft. of surface. Gas, electric, and steam heated. Stainless steel and steel.
9—Vacuum Pan Dryers or Crystallizers, Bartlett & Snow and Buffalo Up to 7'-11" diam. Stainless steel, steel, and cast iron
6—Rotary Vacuum Dryers Stokes, Buffalo and Devine 2' x 6' to 5' x 33' Nickel and cast iron
3—Spray Dryers including a Bowen stainless steel Laboratory unit
2—Vacuum Drum Dryers Buffalo and Devine 5' x 11' and 5' x 10'

PULVERIZERS • GRINDERS HOGS • COMMINUTORS HAMMER MILLS • CRUSHERS CUTTERS • CHIPPERS ROLLER MILLS

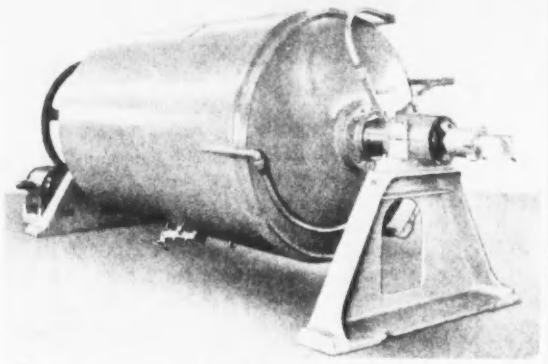
Mikro, No. 0, 1, 2, 3 and 4 Pulverizers
Fitzpatrick Model D Comminuting Machines in stainless and other metals
Schutz O'Neill, American, Raymond, Prater, Jeffrey, Gruendler Pulverizers
Rietz Disintegrators
Hammer Mills by Stedman, Raymond, Williams, Gruendler, Jay Bee, others.
Attrition Mills, single and double runner by Robinson, Bauer, Sprout-Waldron, from 18" to 36" up to 50 HP motors
Rotary Cutters in all sizes by Ball & Jewell, Howes, Cumberland, Munson, and Abbe.
Hogs and Chippers by Mitts-Merrill.
Crushers by Sturdevant, Robinson, Austin, Allis Chalmers, Read, Kennedy, Van Saun, Universal, Reliance and others—all types.

COLLOID MILLS

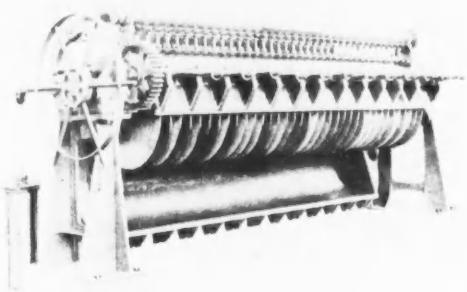
Colloid Mills — Eppenbach, Premier, Bartlett & Snow, Charlotte, U. S.
Vertical or Horizontal, Liquid or Paste Type, all metals, 1 HP to 50 HP.
Homogenizers — Flowmaster, Manton Gaulin, Case, Logeman, Howell, National, Marco. Bronze and Stainless Steel Heads, 50 to 1500 gph.
Viscolizers—Union Steam Pump, Cherry Burrell, Creamery Pkg. from 75 to 500 gph.

MIXERS

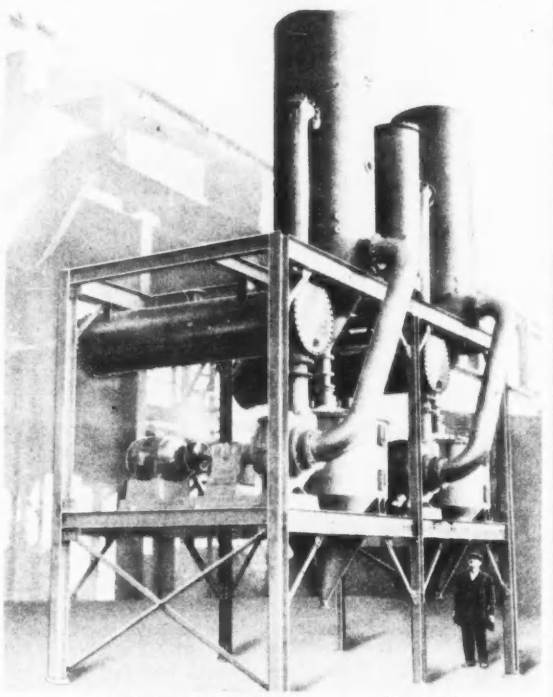
50—Heavy Duty Horizontal Mixers, jacketed, double arm, geared both ends; tilting naben or sigma blades, 50 gal., 100 gal., others.
40—Dry Powder Mixers of the ribbon type from 200 lb. to 3000 lb. in steel or stainless.
8—Tumbling type Mixers from 1 to 20 cu. ft.—larger sizes available immediately.
2—Readco jacketed ribbon type Mixers; 210 gal.
4—Lancaster Muller type Mixers—stainless steel with 10 HP motors.
35—Mixing Kettles in stainless, iron, steel, copper, monel, etc. State size required.
4—Dopp cast iron 200 gal. jacketed agitated Kettles with extension aprons.



Stokes Vacuum Rotating Dryer in Nickel 3' x 5'; see extensive list of Dryers at the left.



Sweetland Pressure Type Leaf Filters in several capacities; see complete list in last column on this page.



EVAPORATORS • STILLS VACUUM PANS • REACTORS

1—New Triple Effect Long Tube Copper Evaporator—3100 sq. ft. Total number of tubes, 336.
6—Good used Swenson, Devine and Buffalo single, double and triple effect Evaporators in copper tinned, cast iron with heresite lining and steel; accessories included.
1—Buffalo Stainless Steel Calandria type forced circulation; 900 sq. ft.
2—Zahm Dealcoholizers, 15" x 12' high.
12—Copper jacketed and coiled vacuum pans, 3' to 10' diameter.
1—Dover all steel 800 gal. Evaporator, good for 125 p.s.i.
1—Struthers Wells all steel vacuum Evaporator, 2500 GPM with heat exchanger, jet compressor and accessories.
1—3500 gal. copper vacuum Still, 9' x 11'6", coil heated wits agitator, jet condenser and accessories.
5—Stainless steel Stills or Reactors from 100 gal. to 2500 gal., jacketed, agitated, good for vacuum.
1—Monel clad Reactor, 1500 gal. with monel agitator—good for vacuum.
6—Glass lined jacketed and unjacketed Vacuum Stills, some with agitators from 100 gal. to 3000 gal.
10—Steel Reactors or Vacuum Stills, jacketed and agitated up to 1500 gal.
3—Stainless Steel Kettles, jacketed with double motion scraping agitators, 150 gal., 250 gal. and 300 gal., motorized.
1—New A.S.M.E. Nickel Reaction Kettle, 350 gal. jacketed and agitated, 5 HP AC motor—with aluminum reflux condenser.

SIFTERS and SCREENS

109—Sifter and Screens by Orville Simpson (Rotex), J. H. Day (Ro-Ball), Schutz-O'Neill, Gump, Selectro, Link-Belt, Tyler Hummer, others up to 4' x 12'—from single to six screens.

PREFORMERS

12—Heavy Duty Preformers or Tablet Presses, Stokes R, Colton No. 5½, Kux No. 65—74 and others. Heating generator, modified to operate from 480 V. 60 cy. 3 ph. line.
15—Rubber churns—125 gal. cap. 42" x 36" gear drive.
1—Rubber churn — 36" x 50" with gear reducer and 5 HP AC motor.
20—American Rubber Churns — 200 gal. cap.
20—Rubber Churns — 36" x 36" pulley drive.

PRESSES—HYDRAULIC and MECHANICAL

30—Compression for Plastics and Rubber, single and multi-platen (some heated), from Lab. size to 1000 ton; all standard makes.
23—Extrusion Presses by Farquahr, Cavagnaro, Watson-Stillman, Buckeye, others—
4—Dewatering Presses by Louisville and Davenport.
15—Fruit and Cider Presses, 30" to 60" with racks.
4—Forging Steam Hydr. Presses, 4 col. up to 2000 ton. Other Presses available, Curb Presses, Dehydrating, Baling, etc.

NEW EQUIPMENT —IN STOCK

Portable Agitators—¼, ½, ¾ HP 1725 and 431 RPM
Kettles — S.S. 2/3 Jktd. 100 lb. pressure, 50 to 500 gal.
Agitated Kettles S.S., 2/3 Jktd. 100 lb. pressure—150 gal.
Single and Double Motion—Health Dept. approved.
Champion Ice Crushers—all capacities.
All S.S. Dble Spiral Dry Powder Mixers, Center Discharge 13 cu. ft. and 56 cu. ft.—others prompt delivery.
Steel Dble Spiral Dry Powder Mixer, Center Discharge 70 cu. ft. also with sifters—12 to 40 cu. ft., others — prompt shipment.
Rotary Pumps, S.S., Brze., nickel alloy, 15, 30 & 90 GPM.
Single Shell S.S. Storage Tanks—50 to 500 gal.
Single Shell S.S. Mixing Tanks—side and bottom agitators, 1 and 2 speeds, 50 to 300 gal.
Cap Tightening Machines, Bench, Vertical, and Portable.
Factory Handling Equipment.
FMC Straight Line & Rotary Syphon Fillers, plated bronze or stainless steel, 6, 12 and 18 spouts.
FMC Straight Line Vacuum Filler 12 spouts, all S.S. contact parts.

PEBBLE, BALL AND TUBE MILLS

2—Paterson 6' x 5' Buhrstone lined Pebble Mills.
4—J. H. Day Steel Ball Mills (2) 36" x 36", (1) 30" x 36", (1) 30" x 20".
2—Manganese Lined Steel Continuous Ball Mills, 33" x 47", 20 HP motor.
1—Ball Mill, Abbe, New, Jacketed, 32" x 36".
1—Stearns-Rogers Ball Mill, 3' x 3'.
1—Allis-Chalmers Ball Mill, 4' x 8', manganese lined, 40 HP motor.
1—Ball Mill, 4' x 16', flint brick lining.
1—Abbe Buhrstone Lined 6' x 8' Pebble Mill.
1—Rubber Lined Pebble Mill, 24" x 36".
1—Abbe Porcelain Lined Pebble Mill 3' x 4'.
1—Hardinge Pebble Mill 36" x 96", complete with motor.
1—Stone Lined Pebble Mill 5' x 7'.
1—Hardinge Ball Mill, 60" x 22".
1—Hardinge Silex Lined Mill 36" x 96", complete with 60 HP motor.
1—Hardinge Conical Ball Mill, 36" x 8", 7½ HP motor.
5—Hardinge Conical Ball Mills 72" x 22", each complete with 50 HP motor.
2—Hardinge Silex Lined Ball Mills 4' x 8', complete with 100 HP motor.
3—Hardinge Conical Ball Mills, 72" x 36", 60 HP motor.

FILTER PRESSES

Shriver, 6", closed delivery, aluminum, washing type, with bronze diaphragm pump and motor.
Sperry, 9", open delivery, iron, 1" plates and frames.
Shriver, 12", closed delivery, recessed, Lead covered, (4).
Sperry, 12", closed delivery, plate and frame, rubber covered.
Karl Kieter, 12", closed delivery, plate and frame, bronze.
Independent, 12", closed delivery, plate and frame, maple-wood.
Sperry, 12" closed delivery, recessed, iron, 26 chambers.
Republic, 15", closed delivery, plate and frame, bronze, nickel plated.
Sperry, 18", closed delivery, plate and frame, bronze, with pump and motor, (2).
Sperry, 18", closed delivery, plate and frame, lead.
Independent, 18", closed delivery, plate and frame, wood, 22 chambers.
Sperry, 18", open, recessed, iron, 10 chambers.
Hormann, 18", closed delivery, plate and frame, bronze chrome plated with pump and motor.
Sperry, 18", closed delivery, 35 chambers, lead covered, with diaphragm pump and motor.
Shriver, 24", open delivery, recessed, aluminum, 8 chambers.
Shriver, 24", closed delivery, 9 plates and frames, wood.
Shriver, 24", closed delivery, 24 plates and frames, wood, with pump and motor.
Shriver, 24", open delivery, 28 plates and frames, iron, with steam pump.
Shriver, 24", open delivery, 33 chambers, recessed, iron.
Sperry, New, 24", closed delivery, 24 plates and frames, solid molded rubber.
Johnson, 30", open delivery, 56 chambers, recessed, iron.
Shriver, 30", open delivery, 20—2" plates and frames, washing type, iron.
Ferrell, 32", open delivery, 36 chambers, recessed, iron (2).
Sperry, New, 36", closed delivery, 30—1¼" plates and frames, solid molded rubber washing type.
Sperry, 36", open delivery, 32—1-15/16" x 33⅞" frames, iron.
Shriver, 36", closed delivery, 18—1" plates and frames, iron.
Sperry 36", open delivery, 42 chambers, recessed, center feed.
Shriver, 36", 72 chambers, plate and frame, open delivery, iron.
Perrin, 36", 59 chamber, recessed, open delivery, iron.
Shriver, 36", 36 chamber, plate and frame, open delivery, iron.
Shriver, 42", 39 1" frames, 40 plates, open delivery, iron.
Shriver, 42", 46 chambers, plate and frame, open delivery, hydraulic closing device.

FILTERS

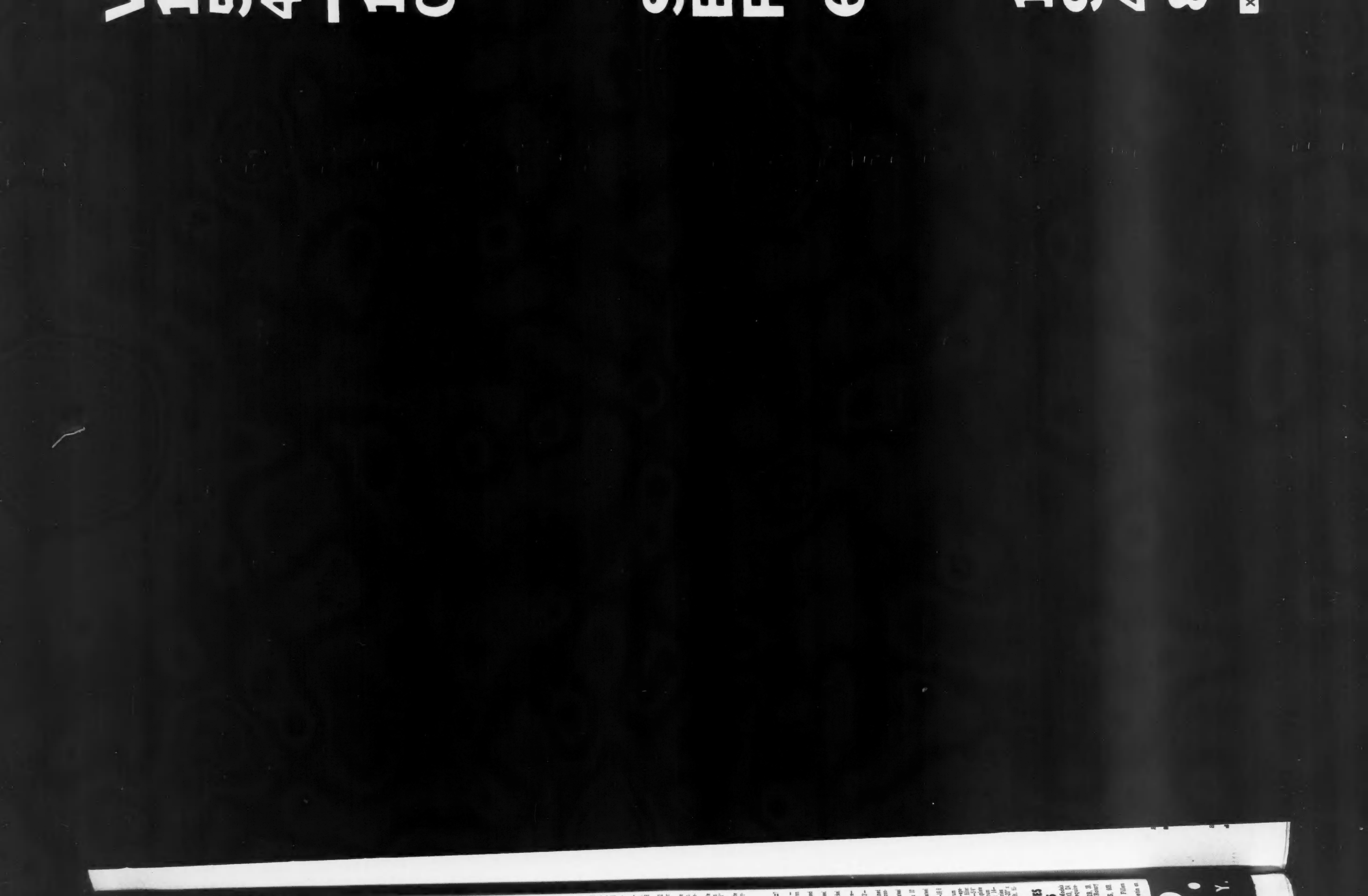
4—Sweetland Filters—#12—#5—#2
25—Rotary Vacuum Filters—Feinc 8½' x 8' face—cast iron drum
Oliver—5'3" x 6' face—closed drum—vapor tight hood
Oliver—6' x 44" face—steel construction
Oliver 6' x 3" face—nickel construction
Oliver Dorrco 4' x 1' face—steel construction
Denver continuous—4' x 3'—steel construction
Portland—8' x 8'—lead lined
Dorrco—8' x 12'—steel construction
New Eimco — 8' x 7' — steel construction
Oliver Continuous—8' x 10'
Redwood drum
Oliver Rotary—8' x 12'—steel drum
Oliver Precoat—6' x 4'—18-8 stainless steel
Dorrco—6' x 3'—steel drum
Stainless steel—8' x 10'—special stainless steel drum filter
New Oliver Continuous—5'4" x 8'—cypress drum—complete
Oliver—6' x 2'—steel drum
Oliver continuous—8 x 14'—complete with accessories
1—Kelly steel horizontal—20" x 36"—5 leaves—23 sq. ft. filtering area

TABLET PRESSES PREFORMERS

12—Stokes Single Punch Models E, F, R; Rotary DI, D3, DD2, DDS2 state requirements
15—Colton Single Punch 2B, 3D, 3E, 4T, 5½ 9AT; Rotary 2, 3, 10-35, 9-18
8—Kux Single Punch 1AS, 60, 65, Rotary No. 21, 25
12—Tablet Counters and Fillers of Standard make
Send for Special Bulletin on Tablet Equipment

FIRST MACHINERY CORP.

157 HUDSON ST. WOrth 4-5900 NEW YORK 13, N. Y.



Sodium mandelate, dms.....lb. 3.25 - 3.35
Metaborate, gran., bgs., c.l., works, ton 96.50 - —
l.c.l., works.....ton 108.00 -113.00
Sodium metaborate in bbls., $20 per ton higher
Metal, dms., works.....lb. .16½ - —
Metasilicate, bgs.....lb. 48 - —
Metasilicate, anhyd., bbls., c.l., works, 100 lbs 4.00 - —
gran., bgs., c.l., works.....100 lbs. 3.25 - —
l.c.l.....100 lbs. 4.35 - 4.60
bbls., c.l., works.....100 lbs. 3.65 - —
l.c.l.....100 lbs. 4.75 - 5.00
Molybdate, anhyd., works.....lb. .50 - —
Monohydrate, bgs., c.l., works, 100 lbs. 2.00 - —
l.c.l., works.....100 lbs. 2.45 - —
Naphthionate, bbls.....lb. .60 - —
Nitrate, crude, dom., bgs., c.l., works, ton 45.50 - —
bulk, c.l., works.....ton 42.00 - —
Imp., 100-lb. bgs., c.l., Atl., Gulf, Pac. wise..ton 51.50 - —
bulk, c.l., same basis.....ton 48.00 - —
Nitrite, 99%, bbls., c.l., works, frt. equald..lb. .06¾- —
West coast ports....100 lbs. 8.00 - 8.05
l.c.l., dlvd.....100 lbs. 8.90 -11.00
Orthosilicate, anhyd., dms., c.l., works..100 lbs. 5.25 - —
l.c.l., same basis.....100 lbs. 5.75 - 7.1
hydrated, flake, bbls.,c.l., works, 100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 5.70 - 5.75
Oxalate, neut., bgs., works.....lb. .09 - .10
Pentachlorophenate, briquets, bgs., works, frt. equald..lb. .17 - .19
powd., bgs., c.l., same oasis..lb. .16 - .16½
l.c.l., same basis.....lb. .17 - —
kgs., l.c.l., works, frt. equald..lb. .19 - —
Perborate, USP, tech., bbls., c.l., works..lb. .17½- —
l.c.l., works.....lb. .18½- —
Peroxide, dms., c.l., dlvd. E. of Miss. lb. .16 - —
smaller lots, same basis.....lb. .19 - —
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 7.80 - —
l.c.l., works.....100 lbs. 8.20 - —
cryst., bgs., c.l., works..100 lbs. 3.25 - 3.50
l.c.l., works.....100 lbs. 3.75 - 3.90
NF, dried, powd., dms., works..lb. .20 - .20½
monobasic, anhyd., bgs., c.l., works, 100 lbs. 12.45 - —
l.c.l., works.....100 lbs. 12.85 - —
tribasic, anhyd., bgs., c.l., works, frt. equald..100 lbs. 9.60 - —
l.c.l., same basis.....100 lbs. 9.60 - —
cryst., bgs., c.l., works, frt. equald..100 lbs. 3.50 - —
l.c.l., same basis.....100 lbs. 3.90 - —
Sodium phosphates in bbls., 40c. higher than bgs.
USP (see Sodium phosphate, dibasic).
Phosphoaluminate, bgs., c.l., works, 100 lbs. 7.00 - —
l.c.l., works.....100 lbs. 7.50 - 8.00
Prussiate, yellow, bgs.....lb. .12 - —
bbls.....lb. 12½- —
Pyrophosphate, acid, bgs., c.l., works, frt. equald..100 lbs. 11.25 -13.00
l.c.l., same basis.....100 lbs. 11.75 -13.50
ferric, dms., 10,000 lbs., works, lb. .22 - —
smaller lots works.....lb. 23½- —
tetrabasic, anhyd., bgs., c.l., works, frt. equald..100 lbs. 6.50 - 6.65
l.c.l.....100 lbs. 7.00 - 7.15
Ricinoleate, tech., bbls.....lb. No stocks
Salicylate, dms.....lb. .57 - .60
Sesquicarbonate, bgs., c.l., works, 100 lbs. 1.95 - —
bbls., c.l., works.....100 lbs. 2.45 - —
l.c.l., bgs., dlvd. zone 1....100 lbs. 3.45 - —
zone 2.....100 lbs. 3.60 - —
zone 3.....100 lbs. 3.85 - —
zone 4.....100 lbs. 4.25 - —
Sodium sesquicarbonate l.c.l. price zones are same as those for soda ash
Sesquisilicate, bbls., c.l., works, 100 lbs. 4.15 - —
l.c.l., dlvd.....100 lbs. 5.40 - 5.65
Silicate, 40°, turbid., dms., c.l., works..100 lbs. 1.00 - —
l.c.l., works.....100 lbs. 1.25 - 1.35
tanks, works.....ton 16.00 -17.00
42°, turbid, dms., c.l., works, 100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.05 - 2.15
tanks, works.....ton 32.00 - —
Silicofluoride, bbls., c.l., works...lb. .05 - —
l.c.l., works.....lb. 05½- 06
Stannate dms., works, frt. alld. lb. .58 - .633
Stearate, bbls., works.....lb. .19 - .24
Sulphate, NF VII, dried powd., bbls. lb. .16 - .16½
tech., anhyd., bgs., c.l., works, 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.35 - 2.60
cryst. (see Glauber's salt).
USP, cryst., gran., bbls.....lb. .15 - .15½
Sulphonilate, bbls., works.....lb. .22 - —
Sulphide, cryst., bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., dlvd.....100 lbs. 3.90 - —
flake, bbls., c.l., works....100 lbs. 4.50 - 6.00
l.c.l., works.....100 lbs. 4.75 - 6.40
fused, bbls., c.l., works....100 lbs. 4.00 - 5.75
l.c.l., dlvd.....100 lbs. 5.25 - 6.50
Sulphite, anhyd., tech., powd., bbls., c.l., frt. equald..100 lbs. 2.50 - 2.75
l.c.l., same basis.....100 lbs. 2.95 - 3.15
crystals, bgs., c.l., works...100 lbs. 2.35 - —
l.c.l., works.....100 lbs. 2.75 - —
bbls., c.l., works.....100 lbs. 3.00 - —
l.c.l., works.....100 lbs. 3.80 - —
powd., bbls., c.l., works....100 lbs. 5.25 - —
l.c.l., works.....100 lbs. 5.50 - 6.00
Sulphocarbolate, USP IX, gran., bbls., dms..lb. .33 - .34
powd., bbls.....lb. .36 - .37
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls.....lb. 12 - —
Sulphydrate, flake, 70-72%, dms., c.l., lb. 05 - —
liquid, 45%, tanks, works....ton 95.00 - —
Thiocyanate, CP, dms.....lb. .55 - .65
tech., dms., works.....lb. .50 - —
Titanate, ctns., c.l., works.....lb. .10 - —
5 tons, works.....lb. 10½- —
1 ton or less, works.....lb. .10½- .13½
Tripolyphosphate, bgs., c.l., works, frt. equald..lb. 07½- —
l.c.l.....lb. 07½- —
Thiosulphate, tech. (see Sodium hyposulphite).
USP, cryst., bbls.....lb. 10 - 12
Tungstate, tech., bgs.....lb. 1.30 - 1.35
Sodium-ammonium phosphate, bbls., works, frt. equald..lb. 23 - —
Sodium-carboxymethylcellulose, high vis., ctns., 2,000 lbs., works frt. alld..lb. 66 - —
smaller quantities, same basis lb. 70 - —
low and medium vis., ctns., 2,000 lbs., same basis..lb. .62 - —
smaller quantities, same basis lb. 66 - —
Sodium-cinchophen, bots., dms., works, lb. 5.00 - 5.10
Sodium-formaldehyde sulfoxylate, dlvd., dms..lb. .22 - .26

Sodium-sulpha drugs (see Sulpha names).
Solvent naphtha, coaltar, dms., works, gal. .27 - .30
high-flash, dms., works.....gal. .27 - .30
Solvent naphtha, petroleum, 109° F. flash, tanks, Baytown, Tex. gal. .27 - —
150°F. flash, tanks, same basis, gal. .27 - —
Sorbitol, comrl, dms., c.l., works..lb. 25½- —
l.c.l., works.....lb. .26 - —
crystalline, dms., works.....lb. .50 - —
solution, aqueous, dms., c.l., works.. lb. .185- —
ton lots, works.....lb. .190 - —
Soybean protein, chemically isolated, 40,000 lbs., works..lb. .26½- —
20,000 lbs., works.....lb. .28½- —
smaller lots, works.....lb. .27 - 30½
mechanically refined, bgs., 40,000 lbs., works..lb. .061 - —
20,000 lbs., works.....lb. .063 - —
smaller lots, works.....lb. .065 - —
Spikenard root, bls.....lb. .43 - .45
Spikenard root, bls.....lb. .45 - .46
Spruce extract, liq., reg., tanks, works, lb. 01¾- —
powd., super, bgs., c.l., works..lb. 05½- —
Squaw vine, leaves, bls.....lb. .45 - .50
Squill, red, fortified, powd., bbls., boxs. lb. 1.60 - —
White, bls.....lb. .08 - .10
powd., bbls., bxs.....lb. .14 - .18
St. Ignatius beans, bgs.....lb. No stocks.
St. John's bread, edible, bls.....lb. .12 Nom.
Stannous chloride (see tin chloride, stannous).

Starch, corn, pearl, paper bgs., c.l., works, 100 lbs. 6.66 - —
Chicago.....100 lbs. 6.67 - —
l.c.l.....100 lbs. 6.81 - —
powd., paper bgs., c.l.....100 lbs. 6.77 - —
Chicago.....100 lbs. 6.23 - —
l.c.l.....100 lbs. 6.52 - —
Prices for corn starch in cotton bags, 17c. higher.
Potato, dom., bgs., c.l.....lb. .0720- —
l.c.l.....lb. .08½- —
Sweetpotato, bgs., c.l.....lb. No stocks
Wheat, bgs.....lb. .0680- .0780
Staveacre seed, bgs.....lb. 60 - 61
Stearin, oleo (see Oleostearin)
Stillingia root, bls.....lb. 33 - .35
Stoneroot, bls.....lb. 07½- .08
Storax, USP, cs.....lb. 1.50 - 1.60
Stramonium leaves bgs.....lb 19 - .20
Seed, bgs.....lb. 20 - 21
Streptomycin, hospitals.....gram. 1.58 - 1.60
wholesalers.....gram. 1.26 - 1.28
Strontium bromide, NF, ctns., dms. lb. 62 - —
Carbonate, 90% bbls.....lb. 14 - .16
98% bbls.....lb. 23 - .25
Chloride, tech., bbls.....lb. 22 - 24
Chromate, bgs., frt. equald.....lb. .42½- .44
Iodide, jars, 25 lbs.....lb. 3.20 - 3.26
Lactate, dms.....lb. 1.30 - 1.35
Nitrate, bbls., c.l., works.....lb. 07½- —
l.c.l., works.....lb. 08½- 08¾
Oxalate, bbls., works.....lb. .38 - .40
Salicylate, NF, dms.....lb 1.25 - 1.32
Sulphate air-floated, 90% 325 mesh, bbls., works..ton 58.00 -

Strontium-calcium sulphide, phosphorescent, dms., works..lb. 2.70 - 2.85
Strophanthin, bots.....oz. 50.00 -50.90
Strophanthus seed, Kombe, bgs....lb. 2.50 Nom.
Strychnine, NF, powd., ctns., 100 ozs. oz. 1.25 - —
Sulphate, USP, powd., ctns., 100 ozs oz 1.00 - —
Styrene, monomer, tanks, works....lb. .15 - —
Styrolyl acetate, bots.....lb. 2.50 - 3.10
Sucrose acto-acetate, denat., bbls., l.c.l., works..lb. .55 - —
tech., bbls., l.c.l., works.....lb. .50 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulfadiazinamide, dms., works.....lb. 4.00 - —
Sulfadiazin, USP, dms., works....lb. 9.00 - —
Sulfamerazin sodium, USP, dms., works..lb. 10.50 - —
Sulfaguanidin, USP, dms., works..lb. 4.50 - 4.60
Sulfamerazin, USP, dms., works..lb. 9.00 - —
Sulfamerazin, sodium, USP, dms., works..lb. 10.50 - —
Sulfanilamide, USP, powd., bots., works..lb. 1.05 - 1.10
Sulfanilamide, 30-60 mesh, 10c. higher.
Sulfapyridin, NF, powd., bots., bbls., works..lb. 7.00 - 7.30
Sulfapyridin - sodium, powd., bots., dms., works..lb. 7.50 - 7.80
Sulfathiazole, USP, powd., dms., works..lb. 3.00 - 3.15
Sulfathiazole - sodium, USP, dms., works..lb. 3.00 - 3.15
Sulfonethylmethane, NF, kgs.....lb 6.75 - 6.85
Sulfonmethane, NF, kgs.....lb 5.25 - 5.35

Sodium Mandelate—Sulphonmethane

RAISE YOUR B6 POTENCIES NOW
• Now that our production facilities at Roche Park can turn out pyridoxine hydrochloride *by the tons*, pharmaceutical manufacturers can proceed at once with the moves they have been contemplating with this vitamin. It is one item, which, because of the new production, will cost materially less than a year ago.
No longer is it necessary to keep B_6 at "token" levels. Discontinued B_6 products may be restored to your line. New products, previously withheld until supplies of B_6 became more plentiful, may be introduced now – including high potency parenteral products desired by the medical profession for special therapeusis.
Look to Roche Park *first* for your bulk vitamin needs. Your orders for Thiamine, Riboflavin, Ascorbic Acid, Pyridoxine Hydrochloride, and other vitamins, can be amply met from our production—"By The Tons."
B6
PYRIDOXINE HYDROCHLORIDE
'ROCHE'
HOFFMANN-LA ROCHE, INC.
Nutley 10, New Jersey

Sulphur—Triethanolamine

Sulphur, com'l, rubbermakers, bgs., c.l., works..100 lbs. 1.75 - —
l.c.l., works..100 lbs. 2.10 - 2.45
crude, c.l., bulk, mines, contract....
long ton 18.00 - —
vessel, f.o.b. Gulf ports, export...
long ton 22.00 - —
flour, comm'l, 90½%, bgs., c.l., works..100 lbs. 1.60 - —
l.c.l., works..10 lbs. 1.95 - 2.30
precipitated, USP, bbls., kgs....lb. .18 - .30
refined, flour, light refined, USP, bgs., c.l., works..100 lbs. 3.00 - —
l.c.l., works..100 lbs. 3.35 - 3.70
heavy, bgs., c.l., works..100 lbs. 2.80 - —
l.c.l., works..100 lbs. 3.15 - 3.50
flowers, USP, bgs., c.l., works..
100 lbs. 3.25 - —
l.c.l., works..100 lbs. 3.60 - 3.95
Sulphur flowers in bbls., 75c. higher.
rock, bgs., c.l., works..100 lbs. 2.40 - —
l.c.l., works..100 lbs. 2.75 - 3.10
roll, bgs., c.l., works..100 lbs. 2.70 - —
l.c.l., works..100 lbs. 3.05 - 3.70
Rubbermakers' bgs., c.l., bgs., works.
100 lbs. 2.25 - —
l.c.l., bgs., works..100 lbs. 2.60 - 2.95
Chloride, 55-gal. dms., c.l., works..lb. .03½- —
l.c.l., works..lb. .04¼- —
10 gal. dms., c.l., works..lb. .07¼- —
l.c.l., works..lb. .08¼- —
Dioxide, liquid, com'l, cyls., works.
lb. .60 - —
multi-unit cars, works..lb. .0625- —
tanks, works..lb. .045 - .0538
refrigeration, cyls., l.c.l., works.
lb. .16 - —
Iodide, bots., jars..lb. 3.90 - 4.11

Sumac bark, 28%, grd., bgs., ex dock.
ton 85.00 - —
Extract, No. 1, bbls..lb. 10½- —
No. 2, bbls..lb. .09 - —
crystals, bbls..lb. .40 - —
stainless, bbls..lb. 14½- —
Leaves 30%, bgs., ex dock..ton 88.00 - —

Superphosphate run-of-pile, under 22% a.p.a. pulv., bulk, Idaho..unit-ton. .76½- —
triple, 48% or more, a.p.a., pulv., bulk, Tampa, Fla..unit-ton. .83 - —

Prices on 48% triple superphosphate in other states and D. C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.

Sweet basil, bls..lb. 1.05 - 1.10

T

Talc, dom., ordinary, grd., bgs., c.l., New York works..ton 21.00 - —
l.c.l., works..ton 22.50 - 24.50
Calif., bgs., c.l., works..ton 22.00 - 30.00
Vermont, bgs., c.l., works..ton 14.00 - —
l.c.l., works..ton 17.50 - —
fibrous, New York, off-color, ground, bgs., c.l., works..ton 24.00 - —
c.l..ton 26.50 - 28.00
88.95-99.95%, grd., bgs., c.l., works..ton 21.00 - —
l.c.l., works..ton 24.50 - —
98-99.5%, grd., bgs., c.l., works..ton 23.00 - 28.00
l.c.l., works..ton 27.00 - 32.00
Imp., Canada, grd., bgs., c.l..ton 35.00 - 45.00

Tallow, inedible, extra, loose..lb. .13¼- —
fancy, loose..lb. .13½- —
special, loose..lb. .12 - —
sulphonated, 25%, dms..lb. .08 - .08½
50%, dms..lb. .11 - .11½
Tamarinds, bbls..lb. .16 - .17
Tankage, animal, feeding, 9-11% ammon., bulk..unit-ton. 6.75 - —
Chicago..unit-ton. 7.25 - —
fertilizer, 9% ammon., 10% b.p.l., Chicago..unit-ton. No stocks
10-11% ammon., 15% b.p.l., bulk bulk..unit-ton. No stocks.
Tansy leaves, bls..lb. .15 - .16
Tapioca flour, high grade, bgs..lb. .10 - .10½
medium grades, bgs..lb. .09 - .09½
Java, bgs..lb. No stocks.
Tar acid oil, 15-18%, ret. dms., c.l., works..gal. .53 - —
l.c.l., works..gal. .56 - —
tanks, works..gal. .47 - —
25-28%, dms., c.l., works..gal. .66 - —
l.c.l., works..gal. .69 - —
tanks, works..gal. .60 - —
Tar, coal (see Coaltar).
Pine (see Pinetar).
Tara pods, bgs., c.l., ex dock U. S. ports..long ton. No prices
powd., bgs., c.l., same basis..long ton 225.00 Nom.
Tarragon herb, bgs..lb. .40 - .45
Leaves, bgs..lb. .85 - .90
Tartar emetic, tech., gran., or powd., bbls., kgs..lb. .44 - —
dms..lb. .44½- .47
USP, powd., bbls., dms., kgs...lb. .49 - .52
Terpin hydrate, com'l, bbls., c.l...lb. .24½- —
l.c.l..lb. .25 - .27½
USP, cryst., bbls., dms..lb. .95 - .97
powd., bbls., dms..lb. 1.00 - 1.02

Terpineol, Alpha (see A).
com'l, dms., c.l., South..lb. .13½- —
l.c.l., South..lb. .14 - —
tanks, South..lb. .13 - —
prime, dms..lb. .43 - .47
Terpinglycol ether, dms., c.l., works.
lb. .19½- —
l.c.l., works..lb. .20 - —
tanks, works..lb. .19 - —
Terpinyl acetate, extra, cns., dms..lb. .65 - 1.10
prime, cns., dms..lb. .61 - 1.00
Terra alba (see Gypsum).
Tetrachloroethane, dms., works..lb. .68 - .69½
Tetrachloroethylene, USP, 55-gal. dms., works..lb. .20 - .21½
smaller dms., works..lb. .23½- .26
tech. (see Perchloroethylene).
Tetraethyl orthosilicate, dms., works.
lb. .65 - —
Pyrophosphate, dms., c.l., works..lb. .80 - —
l.c.l., works..lb. .90 - 1.25
Tetraethylenepentamine, dms., c.l., works..lb. .51½- —
l.c.l., works..lb. .52 - —
tanks..lb. .50 - —
Tetrapotassium phosphate (see Potassium phosphate)
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium sulphate, 99%, bots., dlvd..lb 15.00 -17.50
Theobromine, bots., kgs..lb. 6.00 - 6.25
Theophylline, bots., kgs..lb. 8.00 - 8.50
Thiamine hydrochloride, dms., 100 grams..kilo 100.00 - —
Thiocarbanilide, dms..lb. .24 - —
Thiodiphenylamine (see Phenothiazine).
Thiouracil, dms., works..lb 5.50 - 6.00
Thiourea, tech., dms., works..lb .40 - —
Thorium nitrate, cs., works..lb 3.50 - —
Thyme, French, bgs..lb. .32 - .33½
futures, bgs..lb. .16 - .17
Spanish, bls..lb. .09 - .09½
Thymol, USP, kgs..lb 3.65 - 3.75
Iodide, NF, dms..lb 3.55 - 4.25
Tinnoo root (see Cube root)
Tin chloride (stannous), anhyd., dms.
lb. .97 - .98
Crystals, hydrous, bgs., bbls., works
lb. .57½- —
Metal, Bolivian..lb. 1.03 - —
Straits..lb. 1.07 - —
Oxide, bbls..lb. 1.01 - 1.02
Tetrachloride, anhyd., dms., works.
lb. .60 - .62
Titanium dioxide, anatase, chalk-resistant, bgs., c.l., dlvd..lb. .17½- .19
l.c.l., dlvd..lb. .18 - .20
plain, bgs., c.l., dlvd..lb. .17½- .18
l.c.l., dlvd..lb. .18 - .19
rutile, natural, granular, bgs., c.l., works..lb. .06¾- —
l.c.l., works..lb. .09½- —
milled, bgs., c.l., works..lb. .06½- —
l.c.l., works..lb. .09¾- —
nonchalking, bgs., c.l., dlvd. E.
lb. .19½- —
l.c.l., dlvd E..lb. .20 - .20½
Hydride, cns., works..lb. 7.00 - 8.00
Pigment, barium base, bgs., c.l., dlvd..lb. .07½- —
l.c.l., dlv..lb. .08 - —
Calcium base, bgs., c.l., dlvd..lb. .06½- .07
l.c.l. dlvd..lb. .07½- .07½
Calcium-rutile base, bgs., c.l., dlvd.
lb. .06½- —
l.c.l., dlvd..lb. .07½- —
Magnesium base, bgs., c.l., dlvd..lb. No prices
l.c.l., dlvd..lb. No prices

Titanium dioxide and pigment in bbls., ½c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse., ½c. higher.

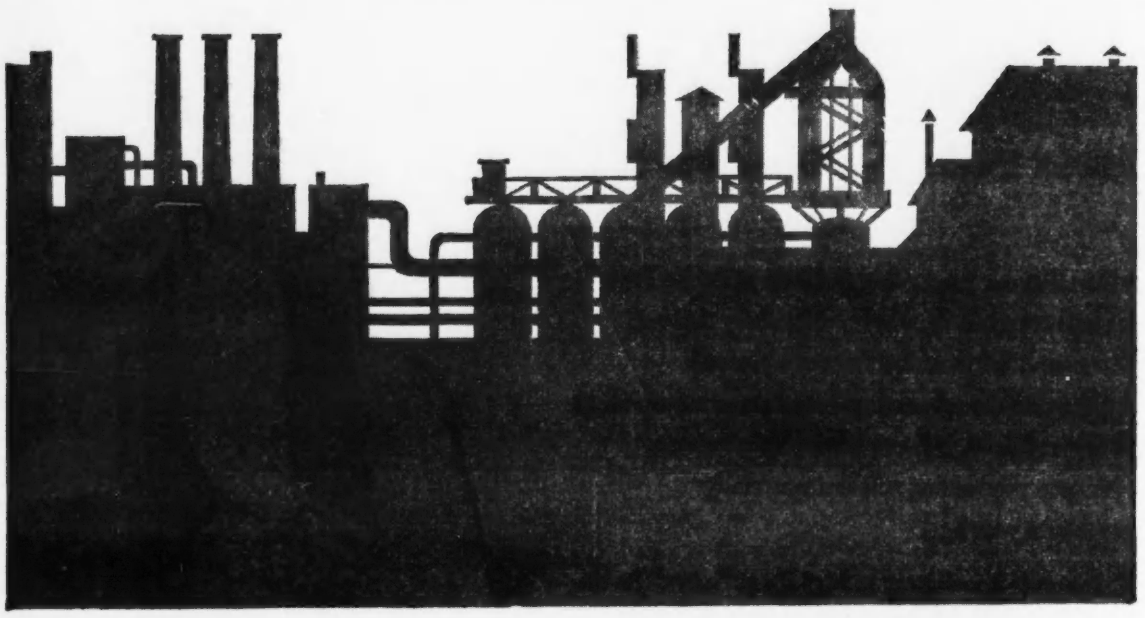
Tetrachloride, CP, 55-gal. dms....lb. .54½- .55
smaller, pkgs., works..lb. .90 - 1.22
technical, 55-gal. dms., works..lb. .52 - —
smaller pkgs., works..lb. .60 - 1.00
Tolu balsam, cns..lb. 3.25 - 3.50
Toluene (see Toluol).
Toluidin base (see Orthotoluidin)
Toluol, coaltar, industrial and nitration, tanks, works:—
Lethbridge, Pa..gal. .24½- —
Birmingham, Ala..gal. .25½- —
Chicago district..gal. .26½- —
Cleveland district..gal. .26 - —
Dangerfield, Tex..gal. .27 - —
Johnstown, Pa..gal. .25 - —
Lackawanna, N. Y..gal. .26 - —
Philadelphia, Pa..gal. .29 - —
Pittsburgh district..gal. .25 - —
Sparrows Point, Md..gal. .24½- —
St. Louis, Mo..gal. .28 - —
Syracuse, N. Y..gal. .27 - —
Terre Haute, Ind..gal. .28 - —
Woodward, Ala..gal. .25 - —
Wyandotte, Mich..gal. .27 - —
Youngstown, Ohio..gal. .25½- .25
tanks, East, frt. equald..gal. .28 - —

Prices on 2° toluol from petroleum, tanks, delivered (maximum freight allowances in cents in parentheses) are:—Ariz., 30c. (3½c.); Chicago, 30c. (2¼c.); Del.-Md.-D. C., 30c. (2¾c.); Detroit, 30c. (1 8/10c.); La., 30c. (3½c.); N. C. & E. Tenn., 6½c.); W. Tenn., 30c. 3½c.), and W. Va., 30c. 30c. 6c.); N. E., 30c. (2½c.); N. J., 30c.; N. Y., 30c.; Pa., 30c (2¾c.); S. C., 30c (6c.); Va., 30c. (2¾c.)

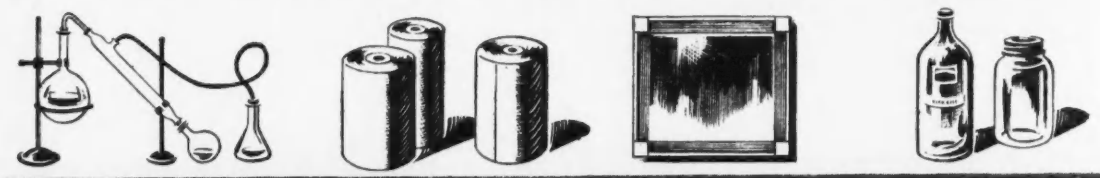
Tonga, 50% bark and vine, bls..lb. .85 - .95
Tonka beans, Angostura, cks..lb 1.75 - 1.80
Brazilian, cs..lb. .85 - .90
Surinam, cs..lb. .85 - .90
Totaquine, USP, 100-oz. lots..oz .52 - —
Triacetin, dms., works..lb. .40½- —
Tributyl citrate, dms..lb. .41 - .43
smaller containers..lb. .46 - .52
Phosphate, dms. l.c.l., frt. alld., E. of Rockies..lb. .66 - —
smaller containers..lb. .71 - —
Tributylamine, ums., c.l., works..lb. .78 - —
l.c.l., works..lb. .81 - —
tanks, same basis..lb. 07½- 09¼
Trichlorobenzene, dms., c.l., works, frt. alld. or equald..lb. .08½- .11
l.c.l., same basis..lb. .09½- .12
Trichloroethane, dms., c.l., works..lb. .12 - —
l.c.l., works..lb. .13 - —
tanks, works..lb. .11 - —
Trichloroethylene, tanks, c.l., frt. alld. zone 1..lb. .10 - .10½
Zone 2..lb. .10 - .10½
Zone 3..lb. .10½- .11
Zone 4..lb. .10½- .11

Trichlorethylene dm., c.l. prices ½c. higher; l.c.l. 1¾c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. H., N. Y., N. C., Ohio, Pa., R. I., Penn., Vt., Va., W. Va., Wis., Omaha, Neb., K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash

Tricresyl phosphate coaltar, dms., c.l., frt. equald..lb. .43 - .46½
l.c.l., dlvd..lb. .47½- .47
tanks, dlvd..lb. .41½- .43
petroleum, dms., c.l., dlvd..lb. .43 - .44
l.c.l., dlvd..lb. .43½- .44½
tanks, dlvd..lb. .42 - .43
Triethanolamine dms. c.l., frt. alld. E..lb. 21½- —
l.c.l., same basis..lb. 22½- —
smaller containers..lb. 25½- —
tanks, same basis..lb. 20 - —



full-time servant to industry—Wyandotte Soda Ash



ALMOST every manufactured commodity at some stage of its production makes use of Soda Ash or one of its derivatives.

This basic chemical is of vital importance to the glass, pulp and paper, non-ferrous metals and chemicals industries. Without Soda Ash in vast tonnages, many industries would close their doors.

Ever since the founding of Wyandotte Chemicals Corporation in 1890, one of the company's major efforts has been to insure a continuous supply of Soda Ash to meet the tremendous demand.

In line with this objective, Wyandotte has made good progress on plans for increasing the production of this and other essential alkalies. Equipment has been placed to pump *each day*—aside from brine—15,000,000 *more* gallons of water . . . to quarry *each year*, 120,000 *more* tons of limestone. Multi-ton lime kilns, distillers, carbonators and absorbers are also being constructed.

Wyandotte is planning, building, working toward a goal of more Soda Ash to fill industry's needs.

WYANDOTTE CHEMICALS CORPORATION
WYANDOTTE, MICHIGAN • OFFICES IN PRINCIPAL CITIES

Soda Ash • Caustic Soda • Bicarbonate of Soda • Calcium Carbonate • Calcium Chloride • Chlorine • Hydrogen • Dry Ice • Glycols
Ethylene Dichloride • Propylene Dichloride • Chloroethers • Aromatic Sulfonic Acid Derivatives • Other Organic and Inorganic Chemicals

Wyandotte
REG. U. S. PAT. OFF.

Triethyl citrate, dms.....lb. .34 - .36
smaller containers.....lb. .39 - .45
Phosphate, dms., works, c.l.....lb. .38 - —
dms., l.c.l., same basis.....lb. .39 - —
tanks, same basis.....lb. .37 - —
Triethylamine, dms., c.l., works, basis 100%.....lb. .34 - —
l.c.l., works, basis 100%.....lb. .36 - —
tanks, works, basis 100%.....lb. .30 - —
Triethylenecycol, dms., c.l., frt. alld, lb.....lb. .20½ - —
l.c.l., same basis.....lb. .21½ - —
tanks, same basis.....lb. .19 - —
Triethylenetetramine, dms., c.l., works, lb.....lb. .51½ - —
l.c.l., works.....lb. .52 - —
tanks.....lb. .50 - —
Trimethylamine, anhydrous, cyl., works, basis 100%.....lb. .29½ - 33½
25%-40% dms., c.l., works, basis 100%.....lb. 23 - —
l.c.l., works, basis, 100%.....lb. .29½ - —
tanks, works, basis 100%.....lb. .25 - —
Triphenyl phosphate, bbls., c.l., frt. equald.....lb. .31 - —
l.c.l., frt. alld.....lb. .32 - —
Triphenylguanidine, bbls., works.....lb. .75 - —
2 inch, air-floated, bgs., c.l. works lb. 0175- —
double-grd., bgs., c.l., works.....lb. .010 - —
single-grd., bgs., c.l., works.....lb. 015 - —
Trisodium phosphate (see Sodium phosphate, tribasic)
Trypsinchane—d.l., fib. cins., works kilo. 240.00- 275.00
Tuba root (see Cube root)
Tungsten metal, powd., 99.9%, dms. works, lb. 4.75 - —
Oxide, bgs., works.....lb. 2.85 - —
Turmeric root, Alleppey, bls.....lb. .36 - .37
Madras, bgs.....lb. .23½ - 24
Turpentine, gum (see Naval Stores Protective Coatings market)
Sulphate, ref. dms., East.....gal. 62 - —
tanks, East.....gal. 40 - —
Wood, dest.-dist., dms. incl., c.l., works, South.....gal. .49 - 53
l.c.l., same basis.....gal. .41 - 55
N. Y. whse.....gal. .53 - —
steam-dist., dms. incl., c.l., works, gal. .58 - —
l.c.l., ex whse, NYC.....gal. 63 - 75
tanks, works.....gal. 35 - 50

U

Unicorn root, false (see Helonias root)
True (see Aletris root)
Uranium oxide, black, bgs.....lb. 2.55 - —
yellow, bgs.....lb. 1.65 - —
Urea, dom., 46% N, bgs., c.l., works, lb.....lb. .04½ - —
l.c.l., works.....lb. .04¾ - —
fertilizer compound, 45% N, bulk, c.l., 20 tons, frt. alld, Kans., Nebs., N. Dak., Okla., S. Dak., Tex., and east.....ton.85.00 - —
40 tons, frt. alld. Colo., Mont., Wyo. and west.....ton.98.00 - —
42% N, paper bgs., c.l., 50 tons, frt. alld, Kans., Nebs., N. Dak., Okla., S. Dakota, Tex., and east.....ton.93.00 - —
40 tons, frt. alld, Colo., Mont., Wyo. and west.....ton.102.00 - —
Urea-ammonia liquor, A and B grades N basis, Belle, W. Va.....ton.110.00 - —
C and D grades same basis.....ton.98.50 - —
Uva ursi leaves, bls.....lb. .12 - 13

V

Valerian root, Belgian, NF, bls.....lb. .27 - .32
Indian, bls.....lb. .30 - .32
Valonia beards, bgs., ex dock.....ton.80.00 -81.00
Cups, bgs., ex dock.....ton.57.00 - —
Extract, powd., bgs., ex dock, duty extra.....lb. .11 - —
Vanadium pentoxide, CP, bgs., cns., works, lb. 7.00 - —
tech., dms., works.....lb. 1.50 - —
Vanilla beans, Bourbon, tins.....lb. 7.25 - 7.50
Mexican, cuts, tins.....lb. 5.00 - 5.50
whole, tins.....lb. 6.50 - 7.00
Tahiti, tins.....lb. 3.25 - 3.50
Vanillin, ex eugenol, tins, 25 lbs.....lb. 4.50 - —
smaller lots.....lb. 4.55 - 4.65
ex guaicol, tins, 25 lbs.....lb. 3.00 - —
smaller lots.....lb. 3.05 - 3.15
ex lignin, tins, 25-lb. lots.....lb. 3.00 - —
smaller lots, tins.....lb. 3.05 - 3.15
Vinyl acetate, 55-gal. dms., works, lb. .16½- .17½
5-gal cns., works.....lb. .20 - —
tanks, works.....lb. .15 - —
Trichloride (see Trichloroethane)
Vinylpyridin, ref, dms., works lb. 1.50 - —
Viosterol, bots., 100 billion USP units mill units .04 - —
1 billion USP units....mill units. .05 - —
100 million USP units..mill units. .07 - —
A concentrate, dms., works.... mill. units .36 - .40
B, (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
B_6 (see Pyridoxin).
C (see Acid, ascorbic)
D (see Oils, codliver and fishliver, Calciferol, and Viosterol).
D_2 (See Calciferol).
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide).
H (see Biotin).
Violet, methyl, toner (see Mi.
V.M.P. naphtha (see Petroleum naphtha).
Vitamin A (see Oils, codliver, fishliver).

W

Widow root bark, bls.....lb. 2.00 - 2.25
Tree bark, bls.....lb. .55 - .75
Wattle bark, fair average, or E. Afr., bgs., ex dock..ton.83.00 -85.00
merchantable, bgs., ex dock..ton.80.00 -81.00
extract, liquid, 56% tannin, bbls., works, lb. 08½- —
tanks, works.....lb. 08 - —
solid, E. Afr., 61% tannin, ex dock, duty extra...lb. 09¾- —
S. Afr., 62% tannin, ex dock, duty extra, lb. 09¾- —
Wax amorphous (see Wax, micro crystalline)
Bayberry, bgs.....lb. .52 - .55
Bees, bleached, USP, white, bricks, cs..lb. .70 - .73
slabs, bgs.....lb. .69 - .71
crude, African, bgs.....lb. .55 - .57
Western hemisphere, bgs.....lb. .55 - .57
refined, yellow, bricks, cs.....lb. .61 - .63
slabs, bgs.....lb. .60 - .62
Candelilla, crude, bgs.....lb. .64 - .65
refined, bgs.....lb. .67 - .68
Powdered candelilla, 20 mesh, 5c. per lb extra, 80 mesh, 5½c; 100-200 mesh, 6c

Wax, carnauba, chalky, No. 3, bgs., ton lots..lb. .81 - .83
North Country, No. 2, ton lots..lb. .89 Nom.
No. 3, bgs., ton lots.....lb. .85 - .87
refined, bgs., ton lots.....lb. .89 - .90
yellow, No. 1, bgs., ton lots.....lb. 1.18 - 1.20
No. 2.....lb. 1.16 - 1.18
Powdered carnauba price differentials same as powdered candelilla
Ceresin, dom., 132°-136° m.p., bgs. lb. .16 - .16½
138°-140° m.p., bgs.....lb. .18 - .18½
158°-162° m.p., bgs.....lb. .22 - .23
Japan, bgs.....lb. .66 - .67
Microcrystalline, 170°-175° m.p., ASTM, amber, cns., 30 tons yearly contract, group 3 w rks..lb. .14¾- —
smaller lots, same basis....lb. .15 - .16
170°-175° m.p., ASTM, black, cns., 30 tons, same basis..lb. .13½- —
smaller lots, same basis...lb. .13½- .14½
white, cns., 30 tons same basis. lb. .23¾- —
smaller lots, same basis...lb. .26 - .27
180°-195° m.p., ASTM, amber, cns., 30 tons, same basis..lb. .21½ —
smaller lots, same basis....lb. .21½- .22½
190°-195° m.p., ASTM, black, cns., 30 tons, same basis..lb. .19¾- —
smaller cns., same basis....lb. .20 - .21
white, cns., 30 tons, same basis. lb. .34¼- —
smaller lots, same basis....lb. .34½- .35½
Montan, crude, bgs.....lb. .45 - .47
Ouricury, crude, bgs., ton lots....lb. .76 - .77
refined, bgs., ton lots.....lb. .82 - .84
Wax, ozokerite, fabricated, black, 180-190 m.p., bgs..lb. .36 - .38
182-183 m.p., bgs.....lb. .31 - .33
171-172 m.p., bgs.....lb. .27 - .29
white, 178-183 m.p., bgs.....lb. .33½- .34½
170-172 m.p., bgs.....lb. .28½- .29¾
yellow, 180-190 m.p., bgs.....lb. .48 - .50
182-183 m.p., bgs.....lb. .43 - .45
178-183 m.p., bgs.....lb. .26½- .27½
170-172 m.p., bgs.....lb. .23¾- .25
Spermaceti, blocks, cs.....lb. .41 - .42
cake, cs.....lb. .42 - .43
White lead (see Lead, white).
White precipitate, powd., dms., 50 lbs lb 2.00 - —
White pine bark, rossed, bls.....lb. .16 - .20
Whiting, limestone, dry-ground, 325 mesh, bgs., 40 tons, St. Louis, works ton 16.00 - —
40 tons, N. Y. whse.....ton 18.00 - —
smaller lots, St. Louis, works.ton 12.50 - —
wet-grd., air-floated, 99% 325 mesh, bgs., c.l.....ton. 14.50 -27.50
200 mesh, bgs., c.l.....ton. No prices
99% 200 mesh, bgs., c.l.....ton No prices
water-floated, extra gilders, bgs., c.l..ton.14.50 - —
gilders, bgs., c.l.....ton No prices
heavy grade, bgs., c.l.....ton 13.00 - —
surface treated, bgs., c.l. Ohio works. ton 30.00 - —
Paris white, bgs., c.l.....ton.25.00 -31.00
l.c.l.....ton.25.00 -29.00
Precipitated, bgs., c.l.....ton.18.00 -20.00
l.c.l.....ton.22.00 -25.00
Wild cherry bark, thick, natural bls. lb. No prices
rossed, bls.....lb. No prices
thin, natural, bls.....lb. .16 - .17
rossed bls.....lb. .23 - .24
Wild indigo root, bls.....lb. .30 - .31
Witch hazel leaves, bls.....lb. .11 - .12
Witherite (see Barium carbonate, natural).
Woodflour, 40 mesh, bulk, c.l., works, East. ton.32.00 - —
l.c.l., same basis.....ton.40.00 - —
60 mesh, bulk, c.l., same basis. ton.37.00 - —
l.c.l., same basis.....ton.45.00 - —
80-100 mesh, bulk, c.l., same basis, ton.46.00 -48.00
l.c.l., same basis.....ton.50.00 -55.00
Woodrosin in bgs extra, returnable
Woodtar (see Lanolin)
Wormseed, American, bgs.....lb. .15 - .16
Levant, bgs.....lb. 4.15 - 4.25
Wormwood, bls.....lb. .40 - .45

X

Xanthorhiza root, bls.....lb. .28 .30
Xylene (see Xylol).
Xylenol 57-7° ref. dms., c.l. works, frt. equald. gal. .21¾- —
c.l., same basis.....lb. .22¾- —
tanks, same basis.....lb. .21 - —
45°, dms., l.c.l., frt. equald.....lb. .24 - —
Isomers, ref. dms., c.l. same basis, gal. 1.66 - —
l.c.l., same basis.....gal. 1.69 - —
tanks, same basis.....gal. 1.60 - —

REICHHOLD CHEMICALS, INC.
General Offices and Main Plant, Detroit 20, Michigan
RCI
Other Plants: Brooklyn, New York • Elizabeth, New Jersey • South San Francisco, California • Seattle, Washington • Tuscaloosa, Alabama
Liverpool, England • Paris, France • Sydney, Australia • Zurich, Switzerland • Milan, Italy • Buenos Aires, Argentina
SYNTHETIC RESINS • CHEMICAL COLORS • PHENOLIC PLASTICS • INDUSTRIAL CHEMICALS

Xylidins—Zinc Sulphate

Xylidins, mixed, dms.....lb. .42¼- —
Xylol, coaltar, industrial, tanks, works:—
Bethlehem, Pa. .....gal. .26 - —
Birmingham, Ala. .....gal. .28½- —
Chicago district .....gal. .26½- —
Cleveland district .....gal. .26 - —
Dangerfield, Tex. .....gal. .27 - —
Johnstown, Pa. .....gal. .24 - —
Lackawanna, N. Y. .....gal. .24 - —
Pittsburgh district .....gal. .24 - —
Sparrows Point, Md. .....gal. .26 - —
St. Louis, Mo. .....gal. .28 - —
Syracuse, N. Y. .....gal. .27 - —
Terre Haute, Ind. .....gal. .28 - —
Woodward, Ala. .....gal. .25 - —
Wyandotte, Mich. .....gal. .27 - —
Youngstown, Ohio .....gal. .25½- .25
tanks, East, frt. equald.....gal. .28 - —

Prices on 3 to 10-degree xylol from petroleum, tanks, delivered (maximum freight allowances in parentheses) are:—Ark., 30c. (5½c.); Chicago, 30c. (2½c.); Del.-Md.-D. C., 30c. (2½c.); Detroit, 30c. (1 8/10c.); La., 30c. (3½c.); N. C. & E. Tenn., 30c. (5c.); N. E., 30c. (2¼c.); N. J., 30c.; N. Y., 30c.; Pa., 30c. (2½c.); S. C., 30c. (6c.); Va., 30c. (3½c.); W. Tenn., 30c. (3½c.), and W. Va., 30c. (2½c.).

Y

Yara yara, cryst., bots., cns. .....lb. 2.10 - —
Yeast, brewer's dry, 50 B units, per gram, dms..lb. .35 - —
90 B units, per gram, dms....lb. .45 - —
200 B units, per gram, dms....lb. .50 - —
300 B units, per gram, dms....lb. .60 - —

Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul..lb. .32 - —

Barium chromate yellow price diffenentials in other States and city zones are those for chrome yellow below.

Benzidin, bbls., dlvd.....lb. 1.60 - 1.70
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies..lb. 2.40 - —
Lithopone, all shades, bbls., frt. alld. E. of Rockies..lb. .06 - —

Cadmium yellows, Los Angeles and San Francisco, ex whse. 1c. per lb. higher.

Chrome, CP, bbls., dlvd. N. Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .29½- —

Dlvd. Ala., Fla., Ga., La., (Shreveport), 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex., 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Hansa, bbls., same basis as chrome..lb. 1.60 - 1.70
Primrose, bbls., same basis.....lb. 1.90 - 2.10
Iron oxide, natural, bgs., c.l., works.lb. .01¾- .02¾
l.c.l., works.....lb. .01⅝- .03¾
Yellow, iron oxide, natural, French type, bgs., c.l.....lb. .04½- —
l.c.l. .....lb. .04¾- —
Peruvian type, bgs., c.l.....lb. .0185- .0210
synth., bgs., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .09¼- —
Mercury oxide, bbls., 1,000 lbs....lb. 1.93 - —
smaller lots.....lb. 1.95 - —
Ocher, American, golden, bgs., works, lb. .01¼- .02½
Zinc, bbls., same basis as chrome..lb. .21 - —
Yellow dock root, bic.....lb. .25 - .27
Yellow xanthorrhiza (see Xanthorrhiza).
Yerba santa leaves, lbs.....lb. .35 - .36
Yohimbine hydrochloride vis.....oz. 3.25 - 4.00

Z

Zein, bgs., 1,000 lbs., works.....lb. .25 - —
smaller lots works.....lb. .30 - —
Zinc acetate, tech., bbls., dms. .....lb. .36½- .37
NF, dms. .....lb. .39 - .40
Arsenite, bgs., c.l., frt. alld. E. of Rockies..lb. No stocks
l.c.l., same basis.....lb. No stocks
Borate, bgs., c.l., ship't pt., frt. alld. E.....lb. .13½- .17
frt. alld. Pac. Coast.....lb. .16½- .19
l.c.l., ship't pt., frt. alld. E....lb. .14 - .17½
frt. alld. Pac. Coast.....lb. .18¼- .20¾
Carbonate, tech., rubber makers', bbls., works..lb. .10¾- .12½
USP, precip., powd., bbls.....lb. .35 - —
dms. .....lb. .40 - —
kgs. .....lb. .37 - —
Chloride, tech., fused, dms., c.l., works..100 lbs. 6.75 - —
l.c.l., works. .....100 lbs. 7.15 - —
gran., bbls., c.l., works..100 lbs. 7.50 - —
l.c.l., works. .....100 lbs. 7.90 - —
Zinc chloride, solution, 50%, dms., c.l., works..lb. .039 - —
l.c.l., works. .....lb. .045 - —
tanks, works .....lb. .0325- —
USP, gran., dms.....lb. .30 - .31
jars .....lb. .35 - .36
Chromate (see Yellow, zinc).
Cyanide, kgs., works.....lb. .37 - —
Diethyldithiocarbamate, dms., works, lb. 1.15 - —
Dust, bbls., c.l., dlvd.....lb. .1780- —
l.c.l., ship't point, frt. alld....lb. .1785- .1960
Fluoride, bbls., works.....lb. .35 - —
Hydrosulphite, dms., works.....lb. .16 - —
Iodide, NF, jars.....lb. 4.05 - —
Laurate, bbls.....lb. .45 - .46
Linoleate, solid, 9½%, bbls.....lb. .51¾- —
Metal slabs, E. St. Louis.....lb. .15 - —
Naphthenate, liquid, 8% Zn., dms., works..lb. .25½- .26
Oleate, bbls.....lb. .42¼- —
Oxide, pigment, dom., acicular, bgs., c.l., ship't point, frt. alld..lb. .13½- —
l.c.l., works .....lb. .13¾- —
American process, com'l lead-free, bgs., c.l., ship't point, frt. alld..lb. .13½- —
l.c.l., works.....lb. .13¾- —
5% bgs., c.l., ship't point, frt. alld..lb. .13½- —
l.c.l., works.....lb. .13¾- —
35%, bgs., c.l., ship't point, frt. alld..lb. .15½- —
l.c.l., works.....lb. .15¾- —
60%, bgs., c.l., ship't point, frt. alld..lb. .15½- —
l.c.l., works.....lb. .16¼- —
French process, com'l, lead-free, bgs., c.l., ship't point, frt. alld..lb. .15½- —
l.c.l., works.....lb. .16 - —
green, seal, bgs., c.l., ship't point, frt. alld..lb. .15½- —
l.c.l., works.....lb. .15¾- —
red seal, bgs., c.l., ship't point, frt. alld..lb. .14½- —
l.c.l., works.....lb. .15 - —
white seal, bgs., c.l., ship't point, frt. alld..lb. .15½- —
l.c.l., works.....lb. .16 - —
USP, cns., c.l., ship't point, frt. alld..lb. .16¼- —
l.c.l., same basis.....lb. .17 - —
Zinc oxide Pac. coast prices ¼c. higher; bbls., prices ½c. higher than bgs.
Resinate, fused, 9% Zn, powd., solution, 50%, dms., c.l., works.lb. .0565- —
Silicofluoride, bbls., works.....lb. .31 - —
Stearate, cns., 2,000 lbs.....lb. .45 - —
smaller lots .....lb. .46 - —
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld..100 lbs. 4.65 - —
l.c.l., same basis.....100 lbs. 5.05 - —
flake, 25½% Zn., bgs., dlvd.....lb. .21¼- —
powd., 36% Zn., bgs., c.l., delvd., same basis..100 lbs. 7.50 - —
l.c.l., same basis.....100 lbs. 8.00 - —
Zinc sulphate in bbls. 40c higher
Sulphide, pure, bgs., c.l., dlvd....lb. .13½- —
l.c.l., works.....lb. .13¾- —
Barium pigment, bgs., c.l., dlvd. .....lb. .08 - —
l.c.l., works.....lb. .08¼- —
Calcium pigment, bgs., c.l., dlvd. .....lb. .08 - —
l.c.l., works.....lb. .08¼- —
Luminescent pigment, frt. alld..lb. 1.00 - 3.00
Magnesium pigment, bgs., c.l., dlvd. .....lb. .08 - —
l.c.l., dlvd. .....lb. .08¼- —
Zinc sulphide and pigment, Pac. coast prices ½c. higher; bbl. prices ½c. higher than bgs.
Sulphocarbonate, NF, gran., bbls., dms..lb. .28 - .29
powd., bbls. .....lb. .31 - .32
Yellow (see Yellow, zinc).
Zinc-cadmium sulphide, fluorescent, cns., frt. alld..lb. 2.00 - 2.80
Zinc-calcium resinate, dms., c.l., works, ...lb. .1180- .1360
l.c.l., same basis.....lb. .1220- .14
Zinc-formaldehyde sulphoxanate, basic, dms., works, frt. alld.lb. .17 - —
normal, dms., works, frt. alld.lb. .35 - —
Zinc-iron oxide pigment, bgs., c.l. dlvd..lb. .08¼- —
Pac. coast.....lb. .09¼- —
l.c.l., dlvd. E. of Rockies....lb. .09 - —
Pac. coast.....lb. .09¾- —
Zircon (see Zirconium silicate).
Zirconium acetate, solution, bbls., works..lb. 25½- —
basic carbonate, solution, bbls., works..lb. 30½- —
Hydride, cns., works.....lb. 7.00 - —
Oxide, 98-99%, white, grd., bbls., or bgs., works..lb. 1.50 - —
lump, electric-fused, bgs., c.l., works..lb. .44 - —
5 tons, works.....lb. .44½- —
1 ton or less, works.....lb. .45 - .48
milled, electric-fused, bgs., c.l., works..lb. .59 - —
5 tons, works.....lb. .59½- —
1 ton or less, works.....lb. .60 - .63
Oxychloride, cryst., cns., 5 tons, works..lb. .29½- —
Silicate, granular, bgs., c.l., works.lb. .03¾- —
5 tons, works.....lb. .04 - —
1 ton or less, works.....lb. .04¼- .04¾
milled, bgs., c.l., works.....lb. .04¾- —
5 tons, works.....lb. .05¼- —
1 ton or less works.....lb. .05¾- .06¼
refined, bgs., c.l., works.....lb. .11 - —
5 tons, works.....lb. .11½- —
1 ton or less, works.....lb. .12 - .16
Sulphate, cryst., cns., c.l., works.lb. .37½- —
5 tons, works.....lb. .38 - —
1 ton or less, works.....lb. .38½- .39

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October

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Synthetic Resins and Branded Paint Materials (Manufacturers' List Prices)

A

ABALYN (see methyl abietate in Current Market Quotations).
ACRYLOID resins, A-10, 30% solids content, c.l., frt. alld., district 1..lb. .40 - —
l.c.l., same basis.....lb. .40½- —
A-101, 40% solids content, c.l., same basis..lb. .48 - —
l.c.l., same basis.....lb. .48½- —
B-7, 20% solids content, c.l., same basis..lb. .32½- —
l.c.l., same basis.....lb. .32½- —
B-72, 40% solids content, c.l., same basis..lb. .42 - —
l.c.l., same basis.....lb. .42½- —
C-10, 20% solids content, c.l., same basis..lb. .49 - —
l.c.l., same basis.....lb. .49½- —

Announcing...

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ZINC OXIDE

by the Royce Chemical Company for use in these industries:

PAINT **RAYON** **RUBBER**

LINOLEUM **ROOFING** **CERAMICS**

Since 1929 Royce has maintained a high reputation for dependable standards in the manufacture of:

SODIUM HYDROSULPHITE
SODIUM SULPHOXYLATE FORMALDEHYDE
SOLUBLE ZINC SULPHOXYLATE FORMALDEHYDE
BASIC ZINC CARBONATE
WATER REPELLENTS
DESIZING AGENTS
DETERGENTS

ROYCE CHEMICAL CO.

Royce Chemical Company

CARLTON HILL, NEW JERSEY • Telephone RUtherford 2-5200

ACRYLOID resins, C-10 LV, 40% solids content, c.l., same basis..lb. .42 - —
l.c.l., same basis.....lb. .42½- —
F-10, 40% solids content, c.l., same basis..lb. .46 - —
l.c.l., same basis.....lb. .46½- —

Prices are f.o.b. Bristol, Pa., with minimum transportation charges allowed to destination in district 1 on shipments of one standard drum or or more. District 1 comprises any point in the United States or Canada except for points in Arizona, British Columbia, California, Colorado, Idaho, Manitoba, Montana, New Mexico, Nevada, Oregon, Texas, Utah, Washington and Wyoming. Tankcar deliveries are priced 1c. per lb. below carlot listings.

ACRYSOL resins, C-9, 40% solids content, c.l., frt. alld., district 1..lb. .39 - —
l.c.l., same basis.....lb. .39½- —
ER, 50% solids content, c.l., f.o.b. Bristol, Pa..lb. .52 - —
l.c.l., same basis.....lb. .52½- —
MR, 50% solids content, c.l., same basis..lb. .52 - —
l.c.l., same basis.....lb. .52½- —
WA-5, 40% solids content, c.l., same basis..lb. .41 - —
l.c.l., same basis.....lb. .41½- —

Prices on Acrysol C-9 are f.o.b. Bristol, Pa., with minimum transportation charges allowed to destination in district 1 on shipments of one standard drum or more. District 1 comprises any point in the United States or Canada except for points in Arizona, British Columbia, California, Colorado, Idaho, Manitoba, Montana, New Mexico, Nevada, Oregon, Texas, Utah, Washington and Wyoming.

ALKYDOL resins, S-79, ret. dms., c.l., divd., zone 1..lb. .22 - —
l.c.l., same basis.....lb. .22½- —
S-1001, ret. dms., c.l., same basis..lb. .22 - —
l.c.l., same basis.....lb. .22½- —
S-1004-A, ret. dms., c.l., same basis, lb. .21½- —
l.c.l., same basis.....lb. .22 - —
S-1008-A, ret. dms., c.l., same basis, lb. .22 - —
l.c.l., same basis.....lb. .22½- —
S-1010-A, ret. dms., c.l., same basis, lb. .22 - —
l.c.l., same basis.....lb. .22½- —
S-1061, ret. dms., c.l., same basis..lb. .26 - —
l.c.l., same basis.....lb. .26½- —
S-1061-B, ret. dms., c.l., same basis, lb. .24½- —
l.c.l., same basis.....lb. .25 - —
S-1061-C, ret. dms., c.l., same basis, lb. .22 - —
l.c.l., same basis.....lb. .22½- —
S-1089-A, ret. dms., c.l., same basis, lb. .15½- —
l.c.l., same basis.....lb. .16 - —
S-1089-W, ret. dms., c.l., same basis, lb. .15½- —
l.c.l., same basis.....lb. .16½- —
S-1075, ret. dms., c.l., same basis, lb. .24½- —
l.c.l., same basis.....lb. .25 - —
S-1079, ret. dms., c.l., same basis..lb. .32 - —
l.c.l., same basis.....lb. .32½- —
S-1103, ret. dms., c.l., same basis..lb. .27 - —
l.c.l., same basis.....lb. .27½- —
S-1112-B, ret. dms., c.l., same basis, lb. .24½- —
l.c.l., same basis.....lb. .25½- —
S-1116, ret. dms., c.l., same basis..lb. .24½- —
l.c.l., same basis.....lb. .25 - —

ALKYDOL resins, S-1116-A, ret. dms., c.l., same basis..lb. .21½- —
l.c.l., same basis.....lb. .22 - —
S-1123, ret. dms., c.l., same basis..lb. .27½- —
l.c.l., same basis.....lb. .28½- —
S-1132, ret. dms., c.l., same basis..lb. .19½- —
l.c.l., same basis.....lb. .20 - —
S-1134, ret. dms., c.l., same basis..lb. .21½- —
l.c.l., same basis.....lb. .22 - —
S-1134-A, ret. dms., c.l., same basis, lb. .22 - —
l.c.l., same basis.....lb. .23½- —
S-1137, ret. dms., c.l., same basis..lb. .19 - —
l.c.l., same basis.....lb. .19½- —
S-1137-L, ret. dms., c.l., same basis, lb. .19½- —
l.c.l., same basis.....lb. .20 - —
S-1147, ret. dms., c.l., same basis..lb. .24 - —
l.c.l., same basis.....lb. .24½- —
S-1149, ret. dms., c.l., same basis..lb. .27½- —
l.c.l., same basis.....lb. .28 - —
S-1151, ret. dms., c.l., same basis..lb. .17½- —
l.c.l., same basis.....lb. .18 - —
S-1155, ret. dms., c.l., same basis..lb. .23½- —
l.c.l., same basis.....lb. .24 - —
S-1201, ret. dms., c.l., same basis..lb. .17 - —
l.c.l., same basis.....lb. .17½- —
S-1202, ret. dms., c.l., same basis..lb. .24 - —
l.c.l., same basis.....lb. .24½- —
S-1203, ret. dms., c.l., same basis..lb. .24½- —
l.c.l., same basis.....lb. .25 - —
S-1204, ret. dms., c.l., same basis..lb. .31 - —
l.c.l., same basis.....lb. .31½- —
S-2003, ret. dms., c.l., same basis..lb. .23½- —
l.c.l., same basis.....lb. .24 - —
S-2008, ret. dms., c.l., same basis..lb. .29 - —
l.c.l., same basis.....lb. .29½- —
S-2009-B, ret. dms., c.l., same basis, lb. .21½- —
l.c.l., same basis.....lb. .22 - —

ALKYDOL resins, S-2025, ret. dms., c.l., same basis..lb. .25 - —
l.c.l., same basis.....lb. .25½- —
S-2037, ret. dms., c.l., same basis..lb. .27½- —
l.c.l., same basis.....lb. .28 - —
S-2047, ret. dms., c.l., same basis..lb. .21½- —
l.c.l., same basis.....lb. .22 - —

Tankcar prices 1c. per lb. below c.l. quotations. Charge for 55-gal. dms., $6 each.

AMBERLAC resins, 80-X, 70% solids content, ret. dms., c.l. frt. alld., district 1..lb. .31 - —
l.c.l., same basis.....lb. .31½- —
80-MT, 50% solids content, ret. dms., c.l., same basis..lb. .22 - —
l.c.l., same basis.....lb. .23½- —
81-X, 70% solids content, ret. dms., c.l., same basis..lb. .30½- —
l.c.l., same basis.....lb. .31 - —
B-94, 85% solids content, ret. dms., c.l., same basis..lb. .32 - —
l.c.l., same basis.....lb. .32½- —
D-96, ret. dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .35½- —

Prices are f.o.b. Bridesburg, Philadelphia, Pa., with minimum transportation charges allowed to destination in district 1 on shipments of one standard drum or more. District 1 comprises any point in the United States or Canada except for points in Arizona, British Columbia, California, Colorado, Idaho, Manitoba, Montana, New Mexico, Nevada, Oregon, Texas, Utah, Washington and Wyoming. Tankcar deliveries are priced 1c. per lb. below carlot listings. A deposit charge of $4 each is made on all 50-gal. drums.

AMBEROL resins, 226, fiber ctns., c.l., frt. alld., district 1..lb. .26 - —
l.c.l., same basis.....lb. .26½- —
750, fiber ctns., c.l., same basis..lb. .34 - —
l.c.l., same basis.....lb. .34½- —
800, light, fiber ctns., c.l., same basis, lb. .21½- —
l.c.l., same basis.....lb. .22 - —
801, extra light, fiber ctns., c.l., same basis..lb. .20½- —
l.c.l., same basis.....lb. .21 - —
801, light, fiber ctns., c.l., same basis, lb. .22 - —
l.c.l., same basis.....lb. .22½- —
801-P, fiber ctns., c.l., same basis, lb. .22 - —
l.c.l., same basis.....lb. .22½- —
806-P, fiber ctns., c.l., same basis..lb. .23 - —
l.c.l., same basis.....lb. .23½- —
808, fiber ctns., c.l., same basis..lb. .23½- —
l.c.l., same basis.....lb. .24 - —
820, fiber ctns., c.l., same basis..lb. .21 - —
l.c.l., same basis.....lb. .21½- —
825, fiber ctns., c.l., same basis..lb. .20½- —
l.c.l., same basis.....lb. .21 - —
826, fiber ctns., c.l., same basis..lb. .20½- —
l.c.l., same basis.....lb. .21 - —
B/S-1, extra light, fiber ctns., c.l., same basis..lb. .20½- —
l.c.l., same basis.....lb. .21 - —
B/S-1, light, fiber ctns., c.l., same basis..lb. .20½- —
l.c.l., same basis.....lb. .21 - —
F-7, extra light, fiber ctns., c.l., same basis..lb. .22½- —
l.c.l., same basis.....lb. .23½- —
F-7, light, fiber ctns., c.l., same basis..lb. .23½- —
l.c.l., same basis.....lb. .23½- —
F-7, dark, fiber ctns., c.l., same basis, lb. .24½- —
l.c.l., same basis.....lb. .25½- —
F-71, fiber ctns., c.l., same basis..lb. .23 - —
l.c.l., same basis.....lb. .23½- —
F-77, fiber ctns., c.l., same basis..lb. .22 - —
l.c.l., same basis.....lb. .22½- —
K-12A, fiber ctns., c.l., same basis, lb. .23 - —
l.c.l., same basis.....lb. .23½- —
M-82, fiber ctns., c.l., same basis..lb. .23½- —
l.c.l., same basis.....lb. .24 - —
M-88, fiber ctns., c.l., same basis..lb. .25 - —
l.c.l., same basis.....lb. .25½- —
M-93, fiber ctns., c.l., same basis..lb. .26 - —
l.c.l., same basis.....lb. .26½- —
ST-137, fiber ctns., c.l., same basis, lb. .34 - —
l.c.l., same basis.....lb. .34½- —
FT 137X, fiber ctns., c.l., same basis..lb. .34 - —
l.c.l., same basis.....lb. .34½- —

Prices are f.o.b. Bridesburg, Philadelphia, Pa., with minimum transportation charges allowed to destination in district 1 on shipments of one standard drum or more. District 1 comprises any point in the United States or Canada except for points in Arizona, British Columbia, California, Colorado, Idaho, Manitoba, Montana, New Mexico, Nevada, Oregon, Texas, Utah, Washington and Wyoming.

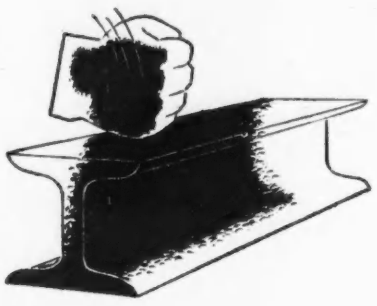
AQUAPLEX resin, S-7, ret. dms., c.l., frt. alld., district 1..lb. .27 - —
l.c.l., same basis.....lb. .27½- —

Prices are f.o.b. Bridesburg, Philadelphia, Pa., with minimum transportation charges allowed to destination in district 1 on shipments of one standard drum or more. District 1 comprises any point in the United States or Canada except for points in Arizona, British Columbia, California, Colorado, Idaho, Manitoba, Montana, New Mexico, Nevada, Oregon, Texas, Utah, Washington and Wyoming. Tankcar deliveries are priced 1c. per lb. below carlot listings. A deposit charge of $4 each is made on all 50-gal. drums.

AROCLORS, distilled, dms., c.l., works, lb. 18 - —
ton lots, works.....lb. .18½- —
single dms., works.....lb. 19 - —
undistilled, dms., c.l., works.....lb. .13½- —
ton lots, works.....lb. .16 - —
single dms., works.....lb. .16½- —

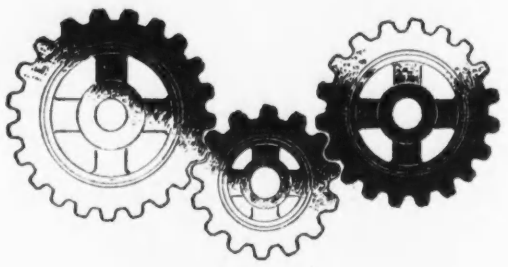
B

BAKELITE, B R. 254, dms., c.l., frt. alld..lb. 40 - —
l.c.l., frt. alld.....lb. .40½- .43
2175, c.l., frt. alld.....lb. .39½- —
l.c.l., frt. alld.....lb. .40 - .42½
3360, c.l., frt. alld.....lb. .37½- —
l.c.l., frt. alld.....lb. .38 - .40½
4036, c.l., frt. alld.....lb. .39 - —
l.c.l., frt. alld.....lb. .39½- .42
9367, c.l., frt. alld.....lb. .26 - —
l.c.l., frt. alld.....lb. .26½- .29
9400, c.l., frt. alld.....lb. .34 - —
l.c.l., frt. alld.....lb. .34½- .37
9432, c.l., frt. alld.....lb. .33 - —
l.c.l., frt. alld.....lb. .33½- .36
10282, c.l., frt. alld.....lb. .34½- —
l.c.l., frt. alld.....lb. .35 - .37½
11544, c.l., frt. alld.....lb. .26½- —
l.c.l., frt. alld.....lb. .27 - .29½
14634, c.l., frt. alld.....lb. .36½- —
l.c.l., frt. alld.....lb. .36 - .38½
15775, c.l., frt. alld.....lb. .26 - —
l.c.l., frt. alld.....lb. .26½- .29
17020, c.l., frt. alld.....lb. .29 - —
l.c.l., frt. alld.....lb. .29½- .32
17920, c.l., frt. alld.....lb. .49 - —
l.c.l., frt. alld.....lb. .49½- .52
BV-1600, c.l., frt. alld.....lb. .30 - —
l.c.l., frt. alld.....lb. .30½- .33
9700-S, c.l., frt. allo.....lb. .24 - —
l.c.l., frt. allo.....lb. .24½- .27
10673, c.l., frt. allo.....lb. .35 - —
l.c.l., frt. allo.....lb. .35½- .38
BK-3802, c.l., frt. allo.....lb. .30 - —
l.c.l., frt. allo.....lb. .30½- .33
16302, c.l., frt. allo.....lb. .34 - —
l.c.l., frt. allo.....lb. .34½- .37
16624, c.l., frt. allo.....lb. .30 - —
l.c.l., frt. allo.....lb. .30½- .34



SUPERIOR TOUGHNESS

Marvinol's high molecular weight offers you extra toughness and "dryness," longer durable life, greater flexibility, resistance to tear, wear, oils, acids. Marvinol-based products are waterproof.



CLOSE COOPERATION

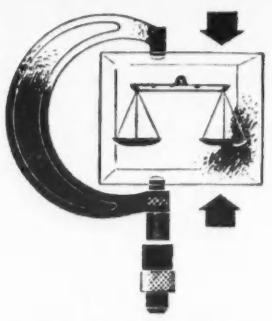
The Glenn L. Martin Company compounds and fabricates only in its customer service laboratory for your benefit. We sell only raw materials. Let our field engineers and customer research laboratory help solve your processing problems. The new ultra-modern Marvinol plant is equipped to insure uniform product of highest quality.

Superior Characteristics of MARVINOL® Vinyl Resin offer you many advantages...

UNIQUE VERSATILITY

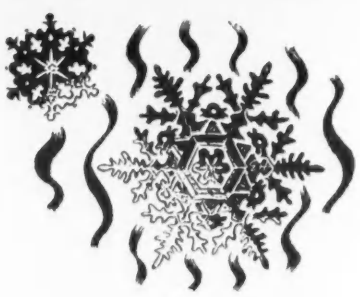
Marvinol VR-10, a polyvinyl chloride-type resin, is readily handled ... may be calendered, extruded, injection molded, used in non-aqueous dispersions, formulated as unplasticized rigids, with distinctive coloring from clear to delicate or brilliant shades that are easy to clean.

WRITE TODAY on your company letterhead for details about Marvinol VR-10. Take advantage of expertly trained Marvinol sales engineers and our modern customer research laboratories. For full information address: Chemicals Division, Dept. O-9, The Glenn L. Martin Company, Baltimore 3, Maryland.



GREATER STABILITY

In processing and in end products, Marvinol offers superior resistance to heat, light, other normally destructive forces.



BROAD TEMPERATURE RANGE

Marvinol resins assure you end products that show less deformation due to heat and better low temperature flexibility.

Martin Marvinol

RESINS, PLASTICIZERS AND STABILIZERS, PRODUCED BY THE CHEMICALS DIVISION OF
THE GLENN L. MARTIN COMPANY • AN INTERNATIONAL INSTITUTION
"BETTER PRODUCTS, GREATER PROGRESS, ARE MADE BY MARTIN"

BAKELITE, XR-3180, c.l., frt. alld.lb. .70 - —
l.c.l., frt. alld.....lb. .70½- .73
4557, c.l., frt. alld.....lb. .72 - —
l.c.l., frt alld.....lb. .72½- .75
BJ-13468, c.l., frt. alld.....lb. .38 - —
l.c.l., frt. alld.....lb. .38½- .41

Prices are f.o.b. Bakelite corporation's plants or warehouses, minimum transportation charges allowed on units of standard drums or over to destination in United States except as follows:—Add 1c. per pound to list prices for shipments to Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. Shipments made via customer's routing will be prepaid transportation charges collect and allowance for minimum transportation charges will be credited on invoice covering materials shipped. No transportation charges allowed on shipments of any materials in less than standard drum quantities

BECKACITE resins, 1100, dms. incl., c.l. dlvd., zones 1 and 2...lb. .21 - —
l.c.l., same basis.....lb. .21½- —
1102, dms. incl., c.l., same basis...lb. .20½- —
l.c.l., same basis.....lb. .21 - —
1105, dms. incl., c.l., same basis...lb. .20½- —
l.c.l., same basis.....lb. .21 - —
1119, dms. incl., c.l., same basis...lb. .20½- —
l.c.l., same basis.....lb. .21 - —
1111, dms. incl., c.l., same basis...lb. .22 - —
l.c.l., same basis.....lb. .22½- —
1112, dms. incl., c.l., same basis...lb. .22 - —
l.c.l., same basis.....lb. .22½- —
1113, dms. incl., c.l., same basis...lb. .20 - —
l.c.l., same basis.....lb. .20½- —
1114, dms. incl., c.l., same basis...lb. .19½- —
l.c.l., same basis.....lb. .20 - —
1118, dms. incl., c.l., same basis...lb. .22 - —
l.c.l., same basis.....lb. .22½- —
1120, dms. incl., c.l., same basis...lb. .22 - —
l.c.l., same basis.....lb. .22½- —
1123, dms. incl., c.l., same basis...lb. .22 - —
l.c.l., same basis.....lb. .22½- —
1124, dms. incl., c.l., same basis...lb. .19 - —
l.c.l., same basis.....lb. .19½- —
1126, dms. incl., c.l., same basis...lb. .25 - —
l.c.l., same basis.....lb. .25½- —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In the states named, add 5c. per lb. For tankcar quantities, deduct 1c. per lb. from the c.l. price. For less-than-full-drum amounts, add 3c. per lb. to the l.c.l. price.

BECKAMINE resins, P-138, dms. incl., c.l. dlvd., zones 1 and 2...lb. .34 - —
l.c.l., same basis.....lb. .34½- —
P-196 dms. incl., c.l., same basis...lb. .36 - —
l.c.l., same basis.....lb. .36½- —
P-198 dms. incl., c.l., same basis...lb. .35 - —
l.c.l., same basis.....lb. .35½- —
P-342, dms. in.l., c.l., same basis...lb. .09½- —
l.c.l., same basis.....lb. .10 - —
P-354, dms. incl., c.l., same basis...lb. .22½- —
l.c.l., same basis.....lb. .23 - —
P-341-A, dms. incl., c.l., same basis.lb. .11½- —
l.c.l., same basis.....lb. .11¾- —
P-426, dms. incl., c.l., same basis...lb. .10 - —
l.c.l., same basis.....lb. .10½- —
P-478, dms. incl., c.l., same basis...lb. .18½- —
l.c.l., same basis.....lb. .19½- —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In the states named, add 5c. per lb. For tankcar quantities, deduct 1c. per lb. from the c.l. price. For less-than-full-drum amounts, add 3c. per lb. to the l.c.l. price.

BECKOLIN resins, 17 dark, dms. incl., c.l. dlvd., zones 1 and 2...lb. .24 - —
l.c.l., same basis.....lb. .24½- —
27 light, dms. incl., c.l., same basis, lb. .26 - —
l.c.l., same basis.....lb. .26½- —
P-290, dms. incl., c.l., same basis.lb. .15 - —
l.c.l., same basis.....lb. .15½- —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In the states named, add 5c. per lb. For tankcar quantities, deduct 1c. per lb. from the c.l. price. For less-than-full-drum amounts, add 3c. per lb. to the l.c.l. price.

BECKOPOL resin, 1400, dms. incl., c.l. dlvd., zones 1 and 2...lb. .26½- —
l.c.l., same basis.....lb. .27 - —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In the states named, add 5c. per lb. For tankcar quantities, deduct 1c. per lb. from the c.l. price. For less-than-full-drum amounts, add 3c. per lb. to the l.c.l. price.

BECKOSOL resins, semi-sd 2d, 7-85, 85% solids content, dms. incl., c.l. dlvd., zones 1 and 2...lb. .34 - —
l.c.l., same basis.....lb. .34½- —
31-85, 85% solids content, dms. incl., c.l., same basis...lb. .33 - —
l.c.l., same basis.....lb. .33½- —
70-85, 85% solids content, dms. incl., c.l., same basis...lb. .33 - —
l.c.l., same basis.....lb. .33½- —
90-85, 85% solids content, dms. incl., c.l., same basis...lb. .33 - —
l.c.l., same basis.....lb. .33½- —
5-51, 1, 100% solids content, dms. incl., c.l., same basis...lb. .38 - —
l.c.l., same basis.....lb. .39 - —
3, 100% solids content, dms. incl., c.l., same basis...lb. .38 - —
l.c.l., same basis.....lb. .39 - —
7, 100% solids content, dms. incl., c.l., same basis...lb. .40 - —
l.c.l., same basis.....lb. .41 - —
8, 100% solids content, dms. incl., c.l., same basis...lb. .42 - —
l.c.l., same basis.....lb. .43 - —
13, 100% solids content, dms. incl., c.l., same basis...lb. .42 - —
l.c.l., same basis.....lb. .43 - —
18, 100% solids content, dms. incl., c.l., same basis...lb. .38 - —
l.c.l., same basis.....lb. .39 - —
19, 100% solids content, dms. incl., c.l., same basis...lb. .42 - —
l.c.l., same basis.....lb. .43 - —
23, 100% solids content, dms. incl., c.l., same basis...lb. .42 - —
l.c.l., same basis.....lb. .43 - —
24, 100% solids content, dms. incl., c.l., same basis...lb. .56 - —
l.c.l., same basis.....lb. .57 - —
31, 100% solids content, dms. incl., c.l., same basis...lb. .40 - —
l.c.l., same basis.....lb. .41 - —
34, 100% solids content, dms. incl., c.l., same basis...lb. .42 - —
l.c.l., same basis.....lb. .43 - —
40, 100% solids content, dms. incl., c.l., same basis...lb. .36 - —
l.c.l., same basis.....lb. .37 - —
70, 100% solids content, dms. incl., c.l., same basis...lb. .40 - —
l.c.l., same basis.....lb. .41 - —
90, 100% solids content, dms. incl., c.l., same basis...lb. .40 - —
l.c.l., same basis.....lb. .41 - —
P-531, 100% solids content, dms. incl., c.l., same basis...lb. .40 - —
l.c.l., same basis.....lb. .41 - —

BECKOSOL resins, solution, 1, dms., incl., c.l., same basis..lb. .22 - —
l.c.l., same basis.....lb. .22½- —
1303, dms. incl., c.l., same basis, lb. .22 - —
l.c.l., same basis.....lb. .22½- —
1307, EL, dms., incl., c.l., same basis..lb. .24 - —
l.c.l., same basis.....lb. .24½- —
1307 EL-HV, dms. incl., c.l., same basis..lb. .24 - —
l.c.l., same basis.....lb. .24½- —
1307 Lt., dms. incl., c.l., same basis..lb. .23 - —
l.c.l., same basis.....lb. .23½- —
1308, dms. incl., c.l., same basis, lb. .25 - —
l.c.l., same basis.....lb. .25½- —
1313 EL, dms. incl., c.l., same basis, lb. .25 - —
l.c.l., same basis.....lb. .25½- —
1313 Lt., dms. incl., c.l., same basis..lb. .24 - —
l.c.l., same basis.....lb. .24½- —
1316, dms. incl., c.l., same basis..lb. .23 - —
l.c.l., same basis.....lb. .23½- —
1319, dms. incl., c.l., same basis..lb. .28 - —
l.c.l., same basis.....lb. .28½- —
1320, dms. incl., c.l., same basis..lb. .23 - —
l.c.l., same basis.....lb. .23½- —
1323 EL, dms. incl., c.l., same basis..lb. .25 - —
l.c.l., same basis.....lb. .25½- —
1323 Lt., dms. incl., c.l., same basis, lb. .24 - —
l.c.l., same basis.....lb. .24½- —
1325, dms. incl., c.l., same basis..lb. .22½- —
l.c.l., same basis.....lb. .23 - —
1326, dms. incl., c.l., same basis..lb. .22½- —
l.c.l., same basis.....lb. .23 - —

BECKOSOL resins, solut., 1331 EL, dms., incl., c.l., same basis..lb. .22 - —
l.c.l., same basis.....lb. .22½- —
1331 Lt., dms. incl., c.l., same basis, lb. .21 - —
l.c.l., same basis.....lb. .21½- —
1334 EL, dms. incl., c.l., same basis..lb. .24 - —
l.c.l., same basis.....lb. .24½- —
1334 Lt., dms., incl., c.l., same basis..lb. .23 - —
l.c.l., same basis.....lb. .23½- —
1337, dms. incl., c.l., same basis..lb. .26 - —
l.c.l., same basis.....lb. .26½- —
1338, dms. incl., c.l., same basis..lb. .24 - —
l.c.l., same basis.....lb. .24½- —
1340, dms. incl., c.l., same basis..lb. .21 - —
l.c.l., same basis.....lb. .21½- —
1341, dms. incl., c.l., same basis..lb. .22 - —
l.c.l., same basis.....lb. .22½- —
1909, dms. incl., c.l., same basis..lb. .19½- —
l.c.l., same basis.....lb. .20 - —
1941, dms. incl., c.l., same basis..lb. .19½- —
l.c.l., same basis.....lb. .20 - —
1945, dms. incl., c.l., same basis..lb. .22 - —
l.c.l., same basis.....lb. .22½- —
P-7 EL, dms. incl., c.l., same basis, lb. .25 - —
l.c.l., same basis.....lb. .25½- —
P-7 Lt., dms incl., c.l., same basis, lb. .24 - —
l.c.l., same basis.....lb. .24½- —
P-27, dms. incl., c.l., same basis..lb. .23 - —
l.c.l., same basis.....lb. .23½- —
P-271, dms. incl., c.l., same basis..lb. .26 - —
l.c.l., same basis.....lb. .26½- —
P-296, dms. incl., c.l., same basis..lb. .27 - —
l.c.l., same basis.....lb. .27½- —
P-322, dms. incl., c.l., same basis..lb. .22 - —
l.c.l., same basis.....lb. .22½- —

BECKOSOL resins, solut., P-323, dms., incl., c.l., same basis..lb. .21 - —
l.c.l., same basis.....lb. .21½- —
P-366, dms. incl., c.l., same basis..lb. .24 - —
l.c.l., same basis.....lb. .24½- —
P-372, dms. incl., c.l., same basis..lb. .28 - —
l.c.l., same basis.....lb. .28½- —
P-376, dms. incl., c.l., same basis..lb. .20 - —
l.c.l., same basis.....lb. .20½- —
P-381, dms. incl., c.l., same basis..lb. .32 - —
l.c.l., same basis.....lb. .32½- —
P-421, dms. incl., c.l., same basis..lb. .25 - —
l.c.l., same basis.....lb. .25½- —
P-430, dms. incl., c.l., same basis..lb. .21 - —
l.c.l., same basis.....lb. .21½- —
P-443, dms. incl., c.l., same basis..lb. .21 - —
l.c.l., same basis.....lb. .21½- —
P-459, dms. incl., c.l., same basis..lb. .21 - —
l.c.l., same basis.....lb. .21½- —
P-470, dms. incl., c.l., same basis..lb. .27 - —
l.c.l., same basis.....lb. .27½- —
P-471, dms. incl., c.l., same basis..lb. .22 - —
l.c.l., same basis.....lb. .22½- —
P-505, dms. incl., c.l., same basis..lb. .21 - —
l.c.l., same basis.....lb. .21½- —
P-524, dms. incl., c.l., same basis..lb. .21 - —
l.c.l., same basis.....lb. .21½- —
P-525, dms. incl., c.l., same basis..lb. .20 - —
l.c.l., same basis.....lb. .20½- —
P-526, dms. incl., c.l., same basis..lb. .22 - —
l.c.l., same basis.....lb. .22½- —
P-527, dms. incl., c.l., same basis..lb. .21½- —
l.c.l., same basis.....lb. .22 - —
P-528, dms. incl., c.l., same basis..lb. .21 - —
l.c.l., same basis.....lb. .21½- —
P-529, dms. incl., c.l., same basis..lb. .20½- —
l.c.l., same basis.....lb. .21 - —
P-531, dms. incl., c.l., same basis..lb. .23 - —
l.c.l., same basis.....lb. .23½- —

Paint Industry Swings To Tung Oil Varnishes

Trend Spurred By Current Availability of Tung Oil — Price Is Now Lower Than Linseed or Dehydrated Castor

The American paint industry is now expanding its production of oleo-resinous varnishes and vehicles for use in surface coatings, according to a reputable source.

that's why it's now ...Arochem 351

Because

—Arochem 351, a new hard resin of the polymerized ester gum type makes tung oil vehicles that are superior in quality to ester gum types — *at no extra cost!*

Because

—Arochem 351 is readily available in any quantity to meet your needs.

Because

—Arochem 351 possesses a higher melting point than ester gum . . . can be used to produce china wood oil varnishes that are characterized by maximum safety in the kettle . . . good color . . . high gloss . . . non-reactivity with reactive pigments such as zinc oxide. For samples and further information, write or phone your nearest U.S.I. office today.

Specifications

Melting Point (Mercury Method)	105-115°C.
Acid Value	10-20
*Color (Gardner Stds. '33)	3-10
Specific Gravity @ 25°C.	1.07-1.12

*50% Solution in M.S.

U.S.I.

USTRIAL CHEMICALS, INC.

60 East 42nd Street, New York 17, N. Y.

Branches in all principal cities

SEP 6 1948

ECKOSOL resins, solut., P-546, dms., incl., c.l., same basis..lb. .17½- —
P-546, dms. incl., c.l., same basis..lb. .17½- —
l.c.l., same basis..lb. .18 - —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In the states named, add 5c. per lb. For tankcar quantities, deduct 1c. per lb. from the c.l. price. For less-than-full-drum amounts, add 2c. per lb. to the l.c.l. price on liquid materials and 3c. per lb. on solid resins.

BEETLE, 212-9, dms., c.l., frt. alld. E. lb. .45½- —
l.c.l., same basis..lb. 46 - —
219-8, c.l., frt. alld..lb. .33 - —
l.c.l., same basis..lb. .33½- —
227-8, c.l., frt. alld..lb. .33 - —
l.c.l., same basis..lb. .33½- —
230-8, c.l., frt. alld..lb. .46½- —
l.c.l., same basis..lb. .46½- —
251-8, c.l., frt. alld..lb. .34 - —
l.c.l., same basis..lb. .34½- —
802-8, c.l., frt. alld..lb. .35½- —
l.c.l., same basis..lb. .35½- —

Tankcar shipments, where applicable, are priced 1c. per lb. below c.l. quotations.

C

CELLOLYN 102, non-ret, dms., c.l., dlvd., zone 1..lb. .21½- —
l.c.l., same basis..lb. .22 - —
103, c.l., same basis..lb. .22 - —
l.c.l., same basis..lb. .22½- —
95, c.l., same basis..lb. .28 - —
l.c.l., same basis..lb. .28½- —
T-501, c.l., same basis..lb. .27 - —
l.c.l., same basis..lb. .27½- —
CUMAR resin, AX, viscous, net weight..lb. 07½- —
CX, solid, gross weight..lb. .07 - —
EX, dark, solid, color 17-22, gross weight..lb. 06 - —
light, solid, color 12-16, gross weight..lb. 06½- —
FX, solid, gross weight..lb. 07 - —
MH 1, flaked, net weight..lb. 14 - —
1½ and 2, flaked, net weight..lb. 13 - —
2½ and 3, flaked, net weight..lb. 12 - —
2½ and 3, solid, net weight..lb. 11½- —
9, solid, net weight..lb. .10 - —
P-10*, viscous, net weight..lb. .12 - —
P-25*, viscous, net weight..lb. .12 - —
RH, solid, net weight..lb. .12 - —
S, solid, gross weight..lb. .13 - —
T 3, solid, gross weight..lb. .10½- —
3-3, solid, gross weight..lb. .11½- —
5, solid, gross weight..lb. 10¼- —
5-2, solid, gross weight..lb. .10½- —
5-3, solid, gross weight..lb. 11 - —
6, solid, gross weight..lb. 09½- —
15, solid, gross weight..lb. 06½- —
V ½, flaked, net weight..lb. .15 - —
1, flaked, net weight..lb. .14 - —
1½ and 2, flaked, net weight..lb. .13 - —
2½ and 3, flaked, net weight..lb. .12 - —
W ½, flaked, net weight..lb. .15½- —
1, flaked, net weight..lb. 14½- —
1½ and 2, flaked, net weight..lb. .13½- —
2½, flaked, net weight..lb. 12½- —

Prices apply to full standard drums only, f.o.b. Frankford, Philadelphia, Pa., freight equalized with Pittsburgh.

D

DOW resin 276, V-2 and V-9, 55-gal drums, c.l., works..lb. 24 - —
276, V-2, V-9, dms., l.c.l., same basis..lb. 24½- —
5 and 10-gal drums, same basis..lb. 30 - —

DOW CORNING silicone resins DC-801, 5-10-gal. cans, net wgt., 8.4 lbs. per gal., f.o.b. Midland, 30-50 gals., dms..gal. 18.65 - —
Mich..gal. 19.40 - —
DC-802, 5-10 gals., same basis..gal. 19.40 - —
30-50-gal. dms., same basis..gal. 18.65 - —
DC-803, 5-10 gals., same basis..gal. 15.70 - —
30-50-gal. dms., same basis..gal. 15.10 - —
DC-804, 5-10 gals., same basis..gal. 19.40 - —
30-50-gal. dms., same basis..gal. 18.65 - —
DC-993, 50% solids, 5-10 gals., same basis..gal. 15.50 - —
30-50-gal. dms., same basis..gal. 14.90 - —
DC-993, 70% solids, 5-10 gals., net wgt., 9 lbs. per gal., f.o.b. Midland, Mich..gal. 23.25 - —
30-50-gal. dms., same basis..gal. 22.40 - —
DC-996, 5-10 gals., net wgt., 8.4 lbs. per gal., f.o.b. Midland, Mich. gal. 15.50 - —
30-50-gal. dms., same basis..gal. 14.90 - —
DC-2103, 5-10 gals., net wgt., 9 lbs. per gal., f.o.b. Midland, Mich. gal. 19.90 - —
30-50-gal. dms., same basis..gal. 19.15 - —

DURAPLEX resins, A-27, 60% solids content, ret. dms., c.l., frt. alld., district 1..lb. .30 - —
l.c.l., same basis..lb. .30½- —
A-29, 60% solids content, ret. dms., c.l., same basis..lb. .22 - —
l.c.l., same basis..lb. .22½- —
AL-2101, 100% solids content, ret. dms., c.l., same basis..lb. .32 - —
l.c.l., same basis..lb. .32½- —
C-45 HV, 60% solids content, ret. dms., c.l., same basis..lb. .30 - —
l.c.l., same basis..lb. .30½- —
C-45 HV, 100% solids content, ret. dms., c.l., same basis..lb. .48 - —
l.c.l., same basis..lb. .48½- —
C-45 LV, 100% solids content, ret. dms., c.l., same basis..lb. .48 - —
l.c.l., same basis..lb. .48½- —
C-49, 60% solids content, ret. dms., c.l., same basis..lb. .31 - —
l.c.l., same basis..lb. .31½- —
C-49, 100% solids content, ret. dms., c.l., same basis..lb. .50 - —
l.c.l., same basis..lb. .50½- —
D-65A, 60% solids content, ret. dms., c.l., same basis..lb. .20½- —
l.c.l., same basis..lb. .21 - —
D-65A, 70% solids content, ret. dms., c.l., same basis..lb. .27 - —
l.c.l., same basis..lb. .27½- —
D-65A, 85% solids content, ret. dms., c.l., same basis..lb. .33½- —
l.c.l., same basis..lb. .34 - —
ND-77B, 60% solids content, ret. dms., c.l., same basis..lb. .31 - —
l.c.l., same basis..lb. .31½- —
ND-78, 80% solids content, ret. dms., c.l., same basis..lb. .28 - —
l.c.l., same basis..lb. .28½- —

Prices are f.o.b. Bridesburg, Philadelphia, Pa., with minimum transportation charges allowed to destination in district 1 on shipments of one standard drum or more. District 1 comprises any point in the United States or Canada except for points in Arizona, British Columbia, California, Colorado, Idaho, Manitoba, Montana, New Mexico, Nevada, Oregon, Texas, Utah, Washington and Wyoming. Tankcar deliveries are priced 1c. per lb. below carlot listings. A deposit charge of $4 each is made on all 50-gal. drums.

DYAL resins, 1, 50% solids content, dms. incl., c.l., works..lb. .22 - —
l.c.l., same basis..lb. .22½- —
6, 50% solids content, dms. incl., c.l., same basis..lb. .19½- —
l.c.l., same basis..lb. .20 - —

DYAL resins, 7, 50% solids content, dms., incl., c.l., same basis..lb. .22 - —
l.c.l., same basis..lb. .22½- —
8, 60% solids content, dms. incl., c.l., same basis..lb. .20½- —
l.c.l., same basis..lb. .20 - —
9, 50% solids content, dms. incl., c.l., same basis..lb. .21½- —
l.c.l., same basis..lb. .22 - —
16, 70% solids content, dms. incl., c.l., same basis..lb. .21 - —
l.c.l., same basis..lb. .21½- —
19, 55% solids content, dms. incl., c.l., same basis..lb. .30 - —
l.c.l., same basis..lb. .30½- —
26, 50% solids content, dms. incl., c.l., same basis..lb. .22½- —
l.c.l., same basis..lb. .23¼- —
37, 50% solids content, dms. incl., c.l., same basis..lb. .23 - —
l.c.l., same basis..lb. .23½- —
62, 50% solids content, dms. incl., c.l., same basis..lb. .24 - —
l.c.l., same basis..lb. .24½- —
66, 60% solids content, dms. incl., c.l., same basis..lb. .28 - —
l.c.l., same basis..lb. .28½- —
75, 50% solids content, dms. incl., c.l., same basis..lb. .23 - —
l.c.l., same basis..lb. .23½- —
78, 50% solids content, dms. incl., c.l., same basis..lb. .25½- —
l.c.l., same basis..lb. .26 - —
83, 70% solids content, dms. incl., c.l., same basis..lb. .27 - —
l.c.l., same basis..lb. .27½- —
84, 70% solids content, dms. incl., c.l., same basis..lb. .31 - —
l.c.l., same basis..lb. .31½- —
86, 50% solids content, dms. incl., c.l., same basis..lb. .23 - —
l.c.l., same basis..lb. .23½- —
93, 70% solids content, dms. incl., c.l., same basis..lb. .27 - —
l.c.l., same basis..lb. .27½- —
99, 50% solids content, dms. incl., c.l., same basis..lb. .21 - —
l.c.l., same basis..lb. .21½- —
116, 90% solids content, dms. incl., c.l., same basis..lb. .28 - —
l.c.l., same basis..lb. .28½- —
156, 100% solids content, dms. incl., c.l., same basis..lb. .29 - —
l.c.l., same basis..lb. .29½- —

Tankcar prices are 1c. per lb. below c.l. quotations. Minimum transportation allowed to destination except in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. Add 5c. per lb. for the foregoing states. Add 1c. per lb. for 30-gal. dms.; 5-gal pails, 1c. per lb. additional.

DYMAL resins, 79, fiber ctns., net wgt., c.l., works..lb. .31 - —
l.c.l., same basis..lb. .31½- —
149, fiber ctns., net wgt., c.l., same basis..lb. .23½- —
l.c.l., same basis..lb. .24 - —
218, fiber ctns., net wgt., c.l., same basis..lb. .20½- —
l.c.l., same basis..lb. .21 - —

Minimum transportation allowed to destination except in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. Add 5c. per lb. for the foregoing states. Less than bbls., 100 lbs. or more, 1c. per lb. additional; 50-99 lbs., 2c. per lb. extra, and less than 50 lbs., 5c. per lb. additional.

DYPHENE resins, 5, fiber ctns., net wgt., c.l., works..lb. .35½- —
l.c.l., same basis..lb. .40 - —
7, fiber ctns., net wgt., c.l., same basis..lb. .37½- —
l.c.l., same basis..lb. .38 - —
8, fiber ctns., net wgt., c.l., same basis..lb. .39 - —
l.c.l., same basis..lb. .39½- —
10, fiber ctns., net wgt., c.l., same basis..lb. .39 - —
l.c.l., same basis..lb. .39½- —
80, fiber ctns., net wgt., c.l., same basis..lb. .37½- —
l.c.l., same basis..lb. .38 - —

Minimum transportation allowed to destination except in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. Add 5c. per lb. for the foregoing states. Less than bbls., 100 lbs. or more, 1c. per lb. additional; 50-99 lbs., 2c. per lb. extra, and less than 50 lbs., 5c. per lb. additional.

DYPHENITE resins, 79, fiber ctns., net wgt., c.l., works..lb. .29½- —
l.c.l., same basis..lb. .30 - —
130, fiber ctns., net wgt., c.l., same basis..lb. .25½- —
l.c.l., same basis..lb. .25¾- —
133, fiber ctns., net wgt., c.l., same basis..lb. .26 - —
l.c.l., same basis..lb. .26½- —

Minimum transportation allowed to destination except in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. Add 5c. per lb. for the foregoing states. Less than bbls., 100 lbs. or more, 1c. per lb. additional; 50-99 lbs., 2c. per lb. extra, and less than 50 lbs., 5c. per lb. additional.

E

ETHOCEL (see Ethylcellulose in Current Market Quotations).

F

FALKYD A-2, 60% solids, dms. incl., c.l..lb. .29 - —
l.c.l., same basis..lb. .29½- —
A-3, 50% solids, dms. incl., c.l..lb. .24 - —
l.c.l., same basis..lb. .24½- —
A-3-LV, 50% solids, dms. incl., c.l..lb. .24 - —
l.c.l., same basis..lb. .24½- —
A-4-D, 40% solids, dms. incl., c.l..lb. .20½- —
l.c.l., same basis..lb. .20¾- —
A-4-D, 50% solids, dms. incl., c.l..lb. .24½- —
l.c.l., same basis..lb. .24¾- —
A-7-D, 70% solids, dms. incl., c.l..lb. .32½- —
l.c.l., same basis..lb. .33 - —
*A-5-D, 100% solids, dms. incl., c.l..lb. .44½- —
l.c.l., same basis..lb. .45 - —
A-6, 70% solids, dms. incl., c.l..lb. .32 - —
l.c.l., same basis..lb. .32½- —
AA-6, 70% solids, dms. incl., c.l..lb. .31½- —
l.c.l., same basis..lb. .32 - —
B-2, 60% solids, dms. incl., c.l..lb. .29 - —
l.c.l., same basis..lb. .29½- —
B-2-8, 50% solids, dms. incl., c.l..lb. .24½- —
l.c.l., same basis..lb. .25 - —
B-3, 50% solids, dms. incl., c.l..lb. .23½- —
l.c.l., same basis..lb. .23 - —
B-34, 50% solids, dms. incl., c.l..lb. .23½- —
l.c.l., same basis..lb. .23 - —
B-38, 50% solids, dms. incl., c.l..lb. .24½- —
l.c.l., same basis..lb. .25 - —
B-41, 55% solids, dms. incl., c.l..lb. .28½- —
l.c.l., same basis..lb. .29½- —
*B-43-D, 100% solids, dms. incl., c.l..lb. .42 - —
l.c.l., same basis..lb. .42½- —
B-5, 85% solids, dms. incl., c.l..lb. .35¾- —
l.c.l., same basis..lb. .36½- —
B-606, 60% solids, dms. incl., c.l..lb. .24 - —
l.c.l., same basis..lb. .24½- —
B-606, 70% solids, dms. incl., c.l..lb. .27 - —
l.c.l., same basis..lb. .27½- —
BE-6, 70% solids, dms. incl., c.l..lb. .27 - —
l.c.l., same basis..lb. .27½- —

FALKYD, C-3, 50% solids, dms., incl., c.l..lb. .23½- —
l.c.l., same basis..lb. .23¾- —
C-5, 70% solids, dms. incl., c.l..lb. .29 - —
l.c.l., same basis..lb. .29½- —
C-5-D, 70% solids, dms. incl., c.l..lb. .30 - —
l.c.l., same basis..lb. .30½- —
G-25, 50% solids, dms. incl., c.l..lb. .24¾- —
l.c.l., same basis..lb. .25¼- —
G-2500 (xylol), 50% solids, dms. incl., c.l..lb. .24¾- —
l.c.l., same basis..lb. .25¼- —
G-2500 (high-flash), 50% solids, dms. incl., c.l..lb. .25¼- —
l.c.l., same basis..lb. .25¾- —
I-72-D-HV, 50% solids, dms. incl., c.l..lb. .21 - —
l.c.l., same basis..lb. .21½- —
I-7, 60% solids, dms. incl., c.l..lb. .17¾- —
l.c.l., same basis..lb. .18¼- —
I-8, 75% solids, dms. incl., c.l..lb. .19½- —
l.c.l., same basis..lb. .20 - —
J-263, 50% solids, dms. incl., c.l..lb. .24½- —
l.c.l., same basis..lb. .24¾- —
J-525, 50% solids, dms. incl., c.l..lb. .21 - —
l.c.l., same basis..lb. .21½- —
L-4-X, 50% solids, dms. incl., c.l..lb. .26½- —
l.c.l., same basis..lb. .27¼- —
L-5, 60% solids, dms. incl., c.l..lb. .30½- —
l.c.l., same basis..lb. .31 - —
W-200, 60% solids, dms. incl., c.l..lb. .30½- —
l.c.l., same basis..lb. .31 - —

Tankcar prices 1c. per lb. below c.l. quotations.
* Tankcar quotation not available.

FALKOTE 285, 100% solids, dms. incl., c.l..lb. .23 - —
l.c.l., same basis..lb. .23½- —
315, 100% solids, dms. incl., c.l..lb. .23 - —
l.c.l., same basis..lb. .23½- —

FLEXALYN solution, non-ret. dms., dlvd., c.l., zone 1..lb. .16¾- —
l.c.l., same basis..lb. .17¼- —
C solution, c.l., same basis..lb. .16 - —
l.c.l., same basis..lb. .16½- —

FORMVAR polyvinyl formal resin, 15/95 E, ret. dms., c.l., (30,000 lbs.), f.o.b. Indian Orchard, Mass..lb. .75 - —
2,000 lbs. to 29,999 lbs., same basis..lb. .77 - —
150 lbs. to 1,999 lbs., same basis..lb. .80 - —
smaller lots, same basis..lb. .90 - —

FRANCE, CAMPBELL & DARLING resins, FCD 5-V, 100% solids content, dms., c.l., frt. alld., zone 1..lb. .19½- —
l.c.l., same basis..lb. .20 - —
FCD 4, 100% solids content, dms., c.l., same basis..lb. .22 - —
l.c.l., same basis..lb. .22½- —
FCD 4-V, 100% solids content, dms., c.l., same basis..lb. .22 - —
l.c.l., same basis..lb. .22½- —
FCD 5-V, 100% solids content, dms., c.l., same basis..lb. .23 - —
l.c.l., same basis..lb. .23½- —
FCD 6-V, 100% solids content, dms., c.l., same basis..lb. .22¼- —
l.c.l., same basis..lb. .22¾- —
FCD 7-V, 100% solids content, dms., c.l., same basis..lb. .22¼- —
l.c.l., same basis..lb. .22¾- —
FCD 16, 100% solids content, dms., c.l., same basis..lb. .20 - —
l.c.l., same basis..lb. .20½- —
FCD 23, 100% solids content, dms., c.l., same basis..lb. .22 - —
l.c.l., same basis..lb. .22½- —
FCD 101, 100% solids content, dms., c.l., same basis..lb. .22 - —
l.c.l., same basis..lb. .22½- —
FCD 102, 100% solids content, dms., c.l., same basis..lb. .24 - —
l.c.l., same basis..lb. .24½- —
FCD 122, 100% solids content, dms., c.l., same basis..lb. .21 - —
l.c.l., same basis..lb. .21½- —
FCD 140, 100% solids content, dms., c.l., same basis..lb. .22 - —
l.c.l., same basis..lb. .22½- —
FCD 142, 100% solids content, dms., c.l., same basis..lb. .20½- —
l.c.l., same basis..lb. .21 - —
FCD 144, 100% solids content, dms., c.l., same basis..lb. .23 - —
l.c.l., same basis..lb. .23½- —
FCD 157, 100% solids content, dms., c.l., same basis..lb. .18½- —
l.c.l., same basis..lb. .19 - —
FCD 163, 100% solids content, dms., c.l., same basis..lb. .22 - —
l.c.l., same basis..lb. .22½- —
FCD 165, 100% solids content, dms., c.l., same basis..lb. .23 - —
l.c.l., same basis..lb. .23½- —
FCD 315, 100% solids content, dms., c.l., same basis..lb. .17½- —
l.c.l., same basis..lb. .18 - —
FCD 342, 100% solids content, dms., c.l., same basis..lb. .24½- —
l.c.l., same basis..lb. .25 - —
FCD 516, 100% solids content, dms., c.l., same basis..lb. .22 - —
l.c.l., same basis..lb. .22½- —
FCD 517, 100% solids content, dms., c.l., same basis..lb. .27 - —
l.c.l., same basis..lb. .27½- —
FCD 518, 50% solids content, dms., c.l., same basis..lb. .24 - —
l.c.l., same basis..lb. .24½- —
FCD 521, 50% solids content, dms., c.l., same basis..lb. .23 - —
l.c.l., same basis..lb. .23½- —
FCD 522, 50% solids content, dms., c.l., same basis..lb. .23 - —
l.c.l., same basis..lb. .23½- —
FCD 523, 50% solids content, dms., c.l., same basis..lb. .21 - —
l.c.l., same basis..lb. .21½- —
FCD 525, 50% solids content, dms., c.l., same basis..lb. .20¾- —
l.c.l., same basis..lb. .21¼- —
FCD 526, 60% solids content, dms., c.l., same basis..lb. .21½- —
l.c.l., same basis..lb. .22 - —
FCD 527, 70% solids content, dms., c.l., same basis..lb. .30 - —
l.c.l., same basis..lb. .30½- —
FCD 530, 50% solids content, dms., c.l., same basis..lb. .24½- —
l.c.l., same basis..lb. .25 - —
FCD 535, 50% solids content, dms., c.l., same basis..lb. .21 - —
l.c.l., same basis..lb. .21½- —
FCD 545, 50% solids content, dms., c.l., same basis..lb. .23½- —
l.c.l., same basis..lb. .24 - —
FCD 546, 50% solids content, dms., c.l., same basis..lb. .23½- —
l.c.l., same basis..lb. .24 - —

FRANCE, CAMPBELL & DARLING resins, FCD 555, 50% solids content, dms., c.l., same basis, lb. .22 - —
FCD 555, 50% solids content, dms., c.l., same basis..lb. .22 - —
l.c.l., same basis..lb. .22½- —
FCD 565, 60% solids content, dms., c.l., same basis..lb. .26½- —
l.c.l., same basis..lb. .26¾- —
FCD 572, 50% solids content, dms., c.l., same basis..lb. .16¾- —
l.c.l., same basis..lb. .17¼- —
FCD 573, 100% solids content, dms., c.l., same basis..lb. .31½- —
l.c.l., same basis..lb. .31¾- —
FCD 574, 60% solids content, dms., c.l., same basis..lb. .16½- —
l.c.l., same basis..lb. .17 - —
FCD 576, 75% solids content, dms., c.l., same basis..lb. .24½- —
l.c.l., same basis..lb. .25 - —
FCD 577, 70% solids content, dms., c.l., same basis..lb. .22 - —
l.c.l., same basis..lb. .22½- —

Prices are f.o.b. Kenilworth, N. J., with minimum transportation charges allowed to destinations in zone 1. Tankcar shipments are 1c. per lb. below carload prices. For less-than-drum deliveries, add 2c. per lb. to l.c.l. listing, f.o.b. Kenilworth, N. J.

G

GELVA resin, gran., 1½, 2½, 7, 15, 25, 60, 100 and 800 cps., flk. ctns., c.l., dlvd. E. of Miss. R., works..lb. .40 - —
ton lots only, flk. ctns., same basis, lb. .43 - —
over 200 lbs., flk. ctns., same basis, lb. .45 - —
under 200 lbs., flk. ctns., same basis..lb. .60 - —

Special grades of 1½ and 2½ cps. viscosity, low acidity, available at somewhat higher prices, Ctns., included in prices, non-returnable. Prices W. of Miss. R. 5c. per lb. higher.

Solution, 55 cps., 28% solids content in ethanol, non-ret. bbls., f.o.b. Indian Orchard, Mass. gal. 1.75 - —
1.5 cps., 70% solids content in toluol, non-ret. bbls., ton lots only, same basis..lb. .31 - —
less than ton lots, non-ret. bbls., same basis..lb. .32 - —
2.5 cps., 60% solids content in toluol, non-ret. bbls., ton lots only, same basis..lb. .27½- —
less than ton lots, non-ret. bbls., same basis..lb. .28½- —
7 cps., 50% solids content in toluol, non-ret. bbls., ton lots only, same basis..lb. .24 - —
less than ton lots, non-ret. bbls., same basis..lb. .25 - —
15 cps., 35% solids content in toluol, non-ret. bbls., ton lots only, same basis..lb. .19 - —
less than ton lots, non-ret. bbls., same basis..lb. .20 - —
100 cps., 25% solids content in toluol, non-ret. bbls., ton lots only, same basis..lb. .16 - —
less than ton lots, non-ret. bbls., same basis..lb. .17 - —
Water emulsion, approx. 55% solids, grades TS-10, TS-21, TS-30, TS-35, TS-41 (35% solids) and S-50, non-ret. bbls., c.l., dlvd. E of Rocky Mts., works..lb. .20½- —
ton lots and over, non-ret. bbls., same basis..lb. .22 - —
less than ton lots, non-ret. bbls., same basis..lb. .22½- —
Prices W of Rocky Mts. 2c per lb. higher.

GEON, polyvinyl resin, 101, 50,000 lbs., works..lb. .34 - —
5,000 to 29,999 lbs., works..lb. .36 - —
200 to 4,999 lbs., works..lb. .38 - —
up to 199 lbs., works..lb. .52 - —
202, 50,000 lbs., works..lb. .34 - —
5,000 to 29,999 lbs., works..lb. .36 - —
200 to 4,999 lbs., works..lb. .38 - —
up to 199 lbs., works..lb. .52 - —
203, 50,000 lbs., works..lb. .37 - —
5,000 to 29,999 lbs., works..lb. .39 - —
200 to 4,999 lbs., works..lb. .41 - —
up to 199 lbs., works..lb. .58 - —
204, 50,000 lbs., works..lb. .37 - —
5,000 to 29,999 lbs., works..lb. .39 - —
200 to 4,999 lbs., works..lb. .41 - —
up to 199 lbs., works..lb. .58 - —
205, 50,000 lbs., works..lb. .34 - —
5,000 to 29,999 lbs., works..lb. .36 - —
200 to 4,999 lbs., works..lb. .38 - —
up to 199 lbs., works..lb. .52 - —

Minimum transportation prepaid.

GLYPTAL 2458, dms., c.l., frt. alld., zones 1 & 2..lb. .25¾- —
l.c.l. ..lb. .26¼- —
2462, c.l., same basis..lb. .24 - —
l.c.l. ..lb. .24½- —
2461, c.l., same basis..lb. .24 - —
l.c.l. ..lb. .24½- —
2466, c.l., same basis..lb. .27 - —
l.c.l. ..lb. .27½- —
2475, c.l., same basis..lb. .25 - —
l.c.l. ..lb. .25½- —
2477, c.l., same basis..lb. .28½- —
l.c.l. ..lb. .29¼- —
2480, c.l., same basis..lb. .24¾- —
l.c.l. ..lb. .25¼- —
2502, c.l., same basis..lb. .21½- —
l.c.l. ..lb. .21¾- —
2503, c.l., same basis..lb. .40 - —
l.c.l. ..lb. .40½- —
2504, c.l., same basis..lb. .24 - —
l.c.l. ..lb. .24½- —
2505, c.l., same basis..lb. .29½- —
l.c.l. ..lb. .30 - —
2506, c.l., same basis..lb. .27½- —
l.c.l. ..lb. .28 - —
2508, c.l., same basis..lb. .44 - —
l.c.l. ..lb. .44½- —
2509, c.l., same basis..lb. .22½- —
l.c.l. ..lb. .23 - —
2510, c.l., same basis..lb. .24 - —
l.c.l. ..lb. .24½- —
2514, c.l., same basis..lb. .24 - —
l.c.l. ..lb. .24½- —
2517, c.l., same basis..lb. .24½- —
l.c.l. ..lb. .25 - —
2518, c.l., same basis..lb. .25½- —
l.c.l. ..lb. .26 - —
2527, c.l., same basis..lb. .26½- —
l.c.l. ..lb. .27 - —
2529, c.l., same basis..lb. .24 - —
l.c.l. ..lb. .24½- —
2532, c.l., same basis..lb. .20½- —
l.c.l. ..lb. .21 - —
2555, c.l., same basis..lb. .20¼- —
l.c.l. ..lb. .20¾- —
2556, c.l., same basis..lb. .23 - —
l.c.l. ..lb. .23½- —
2570, c.l., same basis..lb. .28 - —
l.c.l. ..lb. .28½- —
2583, c.l., same basis..lb. .24¼- —
l.c.l. ..lb. .24¾- —
2585, c.l., same basis..lb. .23 - —
l.c.l. ..lb. .23½- —
2590, c.l., same basis..lb. .21½- —
l.c.l. ..lb. .22 - —
2592, c.l., same basis..lb. .19¾- —
l.c.l. ..lb. .20¼- —
2593, c.l., same basis..lb. .25½- —
l.c.l. ..lb. .25¾- —

GLYPTAL, 2595, c.l., same basis...lb. .25 • —
l.c.l. .....lb. .25½ • —

Prices are f.o.b. General Electric Company's plant, freight prepaid and allowed to any point in the United States except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming.

GUAI-A-PHENE, ret. dms., dms. on deposit at $6 each, works, 50-55 gals..gal. 2.97 • —
10 gals., two fives per case, works. gal. 3.07 • —
5 gals., one can per case, works. gal. 3.12 • —
6 gals., six ones in single case, works..gal. 3.22 • —
1 gal. in single carton, works.gal. 3.32 • —

H

HERCOLYN (see methyl abietate hydrogenated) in Current Market Quotations.

HYDROGUM resin, P-190, dms. incl., c.l., divd., zones 1 and 2...lb. .21 • —
l.c.l., same basis.....lb. .21½ • —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In the states named, add 3½c. per lb. for tankcar quantities, deduct 1c. per lb. from the c.l. price. For less-than-full-drum amounts, add 3c. per lb. to the l.c.l. price.

K

KOPOL resins, 500, dms. incl., c.l., divd., zones 1 and 2...lb. .25 • —
l.c.l., same basis.....lb. .25½ • —
501, dms. incl., c.l., same basis....lb. .22 • —
l.c.l., same basis.....lb. .22½ • —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In the states named, add 3½c. per lb. For tankcar quantities, deduct 1c. per lb. from the c.l. price. For less-than-full-drum amounts, add 3. per lb. to the l.c.l. price.

L

LEWISOL resin, No. 1, non-returnable f.o.b. customers siding, zone 1...lb. .23 • —
l.c.l., same basis.....lb. .23½ • —
2-L, c.l., same basis.....lb. .23 • —
l.c.l., same basis.....lb. .23½ • —
20, c.l., same basis.....lb. .23½ • —
l.c.l., same basis.....lb. .24 • —
28, c.l., same basis.....lb. .23½ • —
l.c.l., same basis.....lb. .24 • —
33, c.l., same basis.....lb. .25 • —
l.c.l., same basis.....lb. .25½ • —

Lewisol resin prices are f.o.b. customer's siding, New Eng. and Middle Atlantic States, Va., W. Va., N. C., Ky., O., Mich., Ind., Ill., Miss., Ala., Ga., Fla., S. C., Tenn., Wis, St Paul and Minneapolis, Minn.; St. Louis, Mo. Prices are dms, included, not returnable; net 30 days.

M

MARBON resins, S, bgs., c.l., f.o.b. Gary, Ind..lb. .36 • —
2,000 lbs., same basis.....lb. .37 • —
smaller lots, same basis.....lb. .38 • .43
S-1, bgs., c.l., same basis.....lb. .36 • —
2,000 lbs., same basis.....lb. .37 • —
smaller lots, same basis.....lb. .38 • .43
Minimum freight allowed.

MARMIX, non-ret. dms., c.l., f.o.b. Gary, Ind..lb. .36 • —
l.c.l., same basis.....lb. .38 • —
less dms., same basis.....lb. .43 • —
Minimum freight allowed.

MARVINOL resin, VR-16, 30,000 lbs., f.o.b. works..lb. .33 • —
5,000 to 29,999 lbs., same basis..lb. .34 • —
200 to 4,999 lbs., same basis....lb. .36 • —
up to 199 lbs., same basis.....lb. 50 • —

MELMAC, 245-8, dms., c.l., frt. alld. E...lb. .42¾ • —
l.c.l., frt. alld.....lb. .47¾ • —
248-8, c.l., frt. alld.....lb. .44 • —
l.c.l., frt. alld.....lb. .44¾ • —
559-8, c.l., frt. alld.....lb. .42¾ • —
l.c.l., frt. alld.....lb. .42¾ • —
586-9, c.l., frt. alld.....lb. .39½ • —
l.c.l., frt. alld.....lb. .40 • —
599-8, c.l., frt. alld.....lb. .41¾ • —
l.c.l., frt. alld.....lb. .42¼ • —
Tankcar shipments, where applicable, are priced 1c. per lb. below c.l. quotations.

METHOCEL (see Methylcellulose in Current Market Quotations).

MONOPLEX resins, 5, ret. dms., c.l., f.o.b. Bridesburg, Philadelphia, Pa.....lb. .90 • —
10-dm. lots, same basis.....lb. .91 • —
1-9-dm. lots, same basis.....lb. .92 • —
11, ret. dms., c.l., same basis....lb. .50 • —
10-dm. lots, same basis.....lb. .50½ • —
1-9-dm. lots, same basis.....lb. .51 • —
16, ret. dms., c.l., same basis.....lb. .45 • —
10-dm. lots, same basis.....lb. .45½ • —
1-9-dm. lots, same basis.....lb. .46 • —
DOS, ret. dms., c.l., same basis...lb. .76 • —
10-dm. lots, same basis.....lb. .76½ • —
1-9-dm. lots, same basis.....lb. .77 • —

Prices are subject to certain differentials if shipped from warehouse stocks. Tankcar deliveries are priced 1c. per lb. under carlot listings. For less than 50-gal. drum shipments, add 3c. per lb. to the single drum price, f.o.b. Bridesburg, Philadelphia, Pa. A deposit charge of $4 each is made on all 50-gal. drums.

N

NEO-FAT drying oil, 170, dms. incl., c.l., divd..lb. .29¼ • —
190, dms., c.l., divd.....lb. .32¼ • —
Fatty acid, 3R, dms. incl., c.l., divd. lb. .19¾ • —
11, dms., c.l., divd.....lb. .37¼ • —
17, dms., c.l., divd.....lb. .25¼ • —

Neo-fat prices are 1c. per lb. higher in all States west of the Rocky Mountains and ½c. per lb. higher in Texas and Oklahoma. Drums are included and not returnable.

NEOLYN resin, 20, non-ret. dms., c.l., f.o.b. customer's siding, zone 1. lb. 26 • —
l.c.l., same basis.....lb. .26½ • —
23, c.l., same basis.....lb. .25 • —
l.c.l., same basis.....lb. .25½ • —
24 (75% in toluol), c.l., same basis.lb. .22½ • —
l.c.l., same basis.....lb. .23 • —
40, c.l., same basis.....lb. .27 • —
l.c.l., same basis.....lb. .27½ • —
60, c.l., same basis.....lb. .28½ • —
l.c.l., same basis.....lb. .29 • —

NEVILLAC, pale hard, color 1-2, melting point 85-95° C., dms., drums, works..lb. .25 • —
hard, color 2½-4, melting point 85-95° C., same basis..lb. .23 • —
soft, color 2½-4, melting point 65-75° C., same basis..lb. .25 • —
10° C., color ½-4, same basis..lb. .33 • —
ZC, same basis.....lb. .31 • —
OA, same basis.....lb. .45 • —
RT, same basis.....lb. .31 • —
RX, same basis.....lb. .31 • —
TS, same basis.....lb. .45 • —
PHO, same basis.....lb. .33 • —

NEVILLE resin, G, dms., net weight, lb. .10½ • —
R-1 nevindene, color ½, dms., works..lb. .15½ • —
R-3, nevindene, color 1, dms, works..lb. .14½ • —
R-5, nevindene, color 1½-2, dms., works..lb. .13½ • —
R-6, nevidene, color 2½-3½, dms., works..lb. .12½ • —
R-7, W.W.S., color below 3, dms., works..lb. .15 • —
R-9, hard, color ½, dms., works..lb. .15 • —
R-10, hard, color 1, dms., works..lb. .14 • —
R-11, hard, color 1½-2, dms., works..lb. .13 • —
R-12, hard, color, 2½-3½, dms., works..lb. .12 • —
R-13, medium color ½, dms., works..lb. .15 • —
R-14, medium, color 1, dms., works..lb. .14 • —
R-15, medium, color 1½-2, dms., works..lb. .13 • —
R-16, medium, color 2½-4, dms., works..lb. .12 • —
R-16-A, color 4-8, dms., c.l., works, lb. .10 • —
l.c.l., works .....lb. .10½ • —
R-17, medium, soft, color 3½-8, dms., works..lb. .12 • —
R-19, medium, soft, color 3½-8, dms., works..lb. .12 • —
R-21, soft, color 3½-8, dms., works..lb. .12 • —
R-22, special, soft, color 3½-8, dms., works..lb. .12 • —
R-29, medium, soft, color 2½-8, dms., works..lb. .12 • —

NEVILLE resin, 165, 110-125°C, dms., gross wgt., Pittsburgh.....lb. .05¾ • —
resinous oil, No. XI, ret. dms..lb. .02½ • —

Neville resin prices, except "G" resin, R-16-A and 465 resin, are freight equalized with Phila. Less than full drum shipments are 5c. per lb additional, f.o.b. Neville Island, Pa.

NEVINOL, dms., works.....lb. .17 • —
NUBA, No. 1, 80-90° C., dms., gross weight, works..lb. .04 • —
No. 2, 100-125° C., dms., gross weight, works..lb. .04 • —
No. 8-X, 135-150° C., dms., gross weight, works..lb. .06½ • —

P

PARADENE 1, 75-99° C, color 12-16, dms., gross wt., works..lb. .06½ • —
2, 100-125° C., color 12-16, dms., gross wt., works..lb. .06½ • —
3, 125-140° C., dms., gross wt, works..lb. .07 • —
33, color 10-15, dms., works.....lb. .07½ • —
31, color 10-15, dms., works.....lb. .07½ • —
35, color 10-15, dms., works, gross wt..lb. .07 • —

Paradene prices are freight equalized with Philadelphia, Pa.

PARAPLEX resins, 5-E, 80% solids content, ret. dms., c.l., frt. alld., district 1..lb. .39½ • —
l.c.l., same basis.....lb. .39¾ • —
5-B, 100% solids content, ret. dms., c.l., same basis..lb. .48 • —
l.c.l., same basis.....lb. .48¾ • —
AL-111, 100% solids content, ret. dms., c.l., same basis..lb. .37 • —
l.c.l., same basis.....lb. .37¾ • —

PARAPLEX resins, G-20, 60% solids content, ret. dms., c.l., same basis..lb. .74½ • —
l.c.l., same basis.....lb. .75 • —
G-20, 100% solids content, ret. dms., c.l., same basis..lb. .90 • —
l.c.l., same basis.....lb. .90¾ • —
G-25, ret. dms., c.l., f.o.b. Bridesburg, Philadelphia, Pa..lb. .87 • —
10-dm. lots, same basis.....lb. .87½ • —
1-9-dm. lots, same basis.....lb. .88 • —
G-40, ret. dms., c.l., same basis..lb. .48¾ • —
10-dm. lots, same basis.....lb. .49¼ • —
1-9-dm. lots, same basis.....lb. .49¾ • —
G-50, ret. dms., c.l., same basis..lb. .48 • —
10-dm. lots, same basis.....lb. .48½ • —
1-9-dm. lots, same basis.....lb. .49 • —
RG-2, 60% solids content, ret. dms., c.l., frt. alld., district 1..lb. .46¾ • —
l.c.l., same basis.....lb. .47¼ • —
RG-2, 100% solids content, ret. dms., c.l., same basis..lb. .74 • —
l.c.l., same basis.....lb. .74¾ • —
RG-8, 100% solids content, ret. dms., c.l., same basis..lb. .60 • —
l.c.l., same basis.....lb. .60¾ • —
RG-10, 100% solids content, ret. dms., c.l., same basis..lb. .62 • —
l.c.l., same basis.....lb. .62¾ • —

Prices on all grades of Paraplex, except G-25, G-40 and G-50, are f.o.b. Bridesburg, Philadelphia, Pa., with minimum transportation charges allowed to destination in district 1 on shipments of one standard drum or more. District 1 comprises any point in the United States or Canada except for points in Arizona, British Columbia, California, Colorado, Idaho, Manitoba, Montana, New Mexico, Nevada, Oregon, Texas, Utah, Washington and Wyoming. A deposit charge of $4 each is made on all 50-gal. drums. Prices on Paraplex G-25, G-40 and G-50 are subject to certain differentials if shipped from warehouse stocks. For less than 50-gal. drum shipments, add 3c. per lb. to the single drum price, f.o.b. Bridesburg, Philadelphia, Pa.

ZIRCONIUM
by BERK

F. W. Berk & Co., Inc., long a key figure in the production of mercury and mercurials, announces its entrance into the zirconium field as a basic integrated producer.

Berk's Zirconium Products are produced at the Berk plant in Wood-Ridge, N. J. where complete facilities for the production of all types of Zirconium are being set up. Raw materials from Berk's own sources in Australia will be used.

This move follows a long-range research and development plan which eventually will provide Zirconium Products for the chemical, ceramic and metallurgical industries.

Zirconium Sulphate — **Zirconyl Acetate** — **Sodium Zirconium Sulphate**
Zirconium Carbonate — **Zirconyl Nitrate** — **Zircon Sand (Granular)**
Zirconium Stearate

We are prepared to consider inquiries for any compound containing Zirconium.
Writ for full information and samples.

F. W. BERK & CO., INC.
WOOD-RIDGE, NEW JERSEY
NEW YORK LONDON SAN FRANCISCO

ZIRCONIUM

PENTA resins, 103, dms, incl., non-ret., c.l., divd., zone 1...lb. .19 • —
l.c.l., same basis.....lb. .19½- —
139, dms, incl., non-ret., c.l., same basis...lb. .22¼- —
l.c.l., same basis.....lb. .22¾- —
140, dms, incl., non-ret., c.l., same basis...lb. .20¾- —
l.c.l., same basis.....lb. .21¼- —

PENTACITE resins, P-105, dms, incl., c.l., divd., zones 1 and 2...lb. .19½- —
l.c.l., same basis.....lb. .20 • —
P-466, dms, incl., c.l., same basis...lb. .14 • —
l.c.l., same basis.....lb. .14½- —
P-423, dms, incl., c.l., same basis...lb. .22¼- —
l.c.l., same basis.....lb. .22¾- —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In the states named, add ¾c. per lb. For tankcar quantities, deduct 1c. per lb. from the c.l. price. For less-than-full-drum amounts, add 3c per lb. to the l.c.l. price.

PENTALYN A, non-ret. dms., f.o.b. lb. .15 • —
l.c.l., same basis.....lb. .15½- —
l.c.l., same basis.....lb. .14½- —
C, c.l., same basis.....lb. .20½- —
l.c.l., same basis.....lb. .21 • —
F, c.l., same basis.....lb. .20½- —
l.c.l., same basis.....lb. .21 • —
G, c.l., same basis.....lb. .20½- —
l.c.l., same basis.....lb. .21¼- —
H, c.l., same basis.....lb. .21 • —
l.c.l., same basis.....lb. .21½- —
M, c.l., same basis.....lb. .22½- —
l.c.l., same basis.....lb. .23 • —
802A, c.l., same basis.....lb. .32 • —
l.c.l., same basis.....lb. .32½- —
O, c.l., same basis.....lb. .21¾- —
l.c.l., same basis.....lb. .22¼- —
X, c.l., same basis.....lb. .22¼- —
l.c.l., same basis.....lb. .22¾- —

PHENAC, 604-30, dms., c.l., frt. alld. E...lb. .23¾- —
l.c.l., frt. alld.....lb. .24¼- —
608, c.l., frt. alld.....lb. .24¼- —
l.c.l., frt. alld.....lb. .24¾- —
622-N, c.l., frt. alld.....lb. .22 • —
l.c.l., frt. alld.....lb. .22½- —
X-687, c.l., frt. alld.....lb. .38 • —
l.c.l., frt. alld.....lb. .38½- —

PICCOLASTIC resins, A-1, A-5, A-25, A-50, A-75, B-50, B-75, B-100, C-5, C-25, C-50, C-75, C-100, C-125, D-75, D-100, D-125, D-150, E-50, E-75, E-100, E-125, dms., c.l., f.o.b. Clairton, Pa...lb. .22 • —
l.c.l., same basis.....lb. .22½- —
FT, FX, FHF, dms., c.l., same basis. lb. .139 • —
l.c.l., same basis.....lb. .144 • —

Prices are on a net weight basis, containers included, and apply to standard packages only. For other than full drum shipments add 5c. per lb.

PICCOLYTE resins, S-10, S-25, S-40, dms., net wt., f.o.b. Clairton, Pa., c.l...lb. .15 • —
l.c.l.....lb. .15½- —
S-55, S-70, c.l., same basis.....lb. .15 • —
l.c.l.....lb. .15½- —
S-85, S-100, c.l., same basis.....lb. .15 • —
l.c.l.....lb. .15½- —
S-115, c.l., same basis.....lb. .15 • —
l.c.l.....lb. .15½- —
S-125, c.l., same basis.....lb. .15½- —
l.c.l.....lb. .15¾- —
Solutions, S-115, 45% solids, dms, incl., c.l., f.o.b. Clairton, Pa. lb. .1195- —
l.c.l., same basis.....lb. .1245- —
tanks, same basis.....lb. .1095- —
S-115, 45% solids, dms, incl., same basis...lb. .0895- —
l.c.l., same basis.....lb. .0945- —
tanks, same basis.....lb. .0795- —

PICCOUMARON resins, 450-H, 450-L, 450-HL, dms., net wt., solid, f.o.b. Clairton or Chester, Pa., frt. equald...lb. .11½- —
450, 450-E, 450-S, same basis....lb. .11½- —
450-ES, same basis.....lb. .11½- —
450, same basis.....lb. .11½- —
Other 450 series, dms., net wt., plastic, f.o.b. works, frt. equald. lb. .12 • —
440-S, same basis.....lb. .09½- —
430-H, dms., gross wt., solid, f.o.b. works, frt. equald...lb. .07 • —
Other 430 series, dms., net wt., solid, f.o.b works, frt. equald. lb. .06½- —
420-H, same basis.....lb. .10½- —
420-S, 420-E, 420-ES, same basis.. lb. .10½- —
422-R, 423-R, 425-R, 427-R, same basis...lb. .12 • —
Other 420 series, dms., net wt., plastic, f.o.b. works, frt. equald...lb. .10½- —
Picco-10, same basis.....lb. .12 • —
Picco-25, same basis.....lb. .12 • —
Picco-75, Picco-100, dms., net wt., solid, f.o.b works, frt. equald...lb. .11½- —
Bunarex-10, dms., net wt., plastic, f.o.b., works, frt. equald...lb. .07½- —
Bunarex-25, XX-25, same basis...lb. .07½- —
Bunarex-100, XX-100, same basis..lb. .09½- —
XX-40, same basis.....lb. .07½- —
XX-55, dms., gross wt., solid, f.o.b. works, frt. equald...lb. .07 • —
XX-70, same basis.....lb. .09½- —
XX-115, same basis.....lb. .07 • —
480 series, same basis.....lb. .15 • —
60% 420-ES sol., non-ret. dms., c.l. lb. .09 • —
l.c.l., same basis.....lb. .09½- —
tanks, same basis.....lb. .08 • —

PICCOUMARON resins, C-G, (deodorized), dms., net, wt., solid, f.o.b. works, frt. equald...lb. .14½- —

• Flaked grades, when available, are ½c. per pound higher than net wt. solid, ¾c. higher than gross wt. solid. Prices for other than full-car. shipments add 5c. per pound.

PLASKON resins, PCC 3105, 60% solids content, dms, incl., 10,000 lbs., divd., zone 1...lb. .28 • —
less than 10,000 lbs., same basis, lb. .28½- —
PCC 3115, 60% solids content, dms, incl., 10,000 lbs., same basis, lb. .25½- —
less than 10,000 lbs., same basis, lb. .26 • —
PCC 3120, 50% solids content, dms, incl., 10,000 lbs., same basis, lb. .23 • —
less than 10,000 lbs., same basis, lb. .23½- —
PCC 3148, 50% solids content, dms, incl., 10,000 lbs., same basis, lb. .22½- —
less than 10,000 lbs., same basis, lb. .23 • —
PCC 3149, 50% solids content, dms, incl., 10,000 lbs., same basis, lb. .24½- —
less than 10,000 lbs., same basis, lb. .25 • —
PCC 3158, 60% solids content, dms, incl., 10,000 lbs., same basis, lb. .26 • —
less than 10,000 lbs., same basis, lb. .26½- —
PCC 3160, 50% solids content, dms, incl., 10,000 lbs., same basis, lb. .25 • —
less than 10,000 lbs., same basis, lb. .25½- —
PCC 3175, 70% solids content, dms, incl., 10,000 lbs., same basis, lb. .26 • —
less than 10,000 lbs., same basis, lb. .26½- —
PCC 3177, 70% solids content, dms, incl., 10,000 lbs., same basis, lb. .27 • —
less than 10,000 lbs., same basis, lb. .27½- —
PCC 3179, 70% solids content, dms, incl., 10,000 lbs., same basis, lb. .28 • —
less than 10,000 lbs., same basis, lb. .28½- —
PCC 3180, 50% solids content, dms, incl., 10,000 lbs., same basis, lb. .22 • —
less than 10,000 lbs., same basis, lb. .22½- —
PCC 3181, 50% solids content, dms, incl., 10,000 lbs., same basis, lb. .22 • —
less than 10,000 lbs., same basis, lb. .22½- —
PCC 3252, 50% solids content, dms, incl., 10,000 lbs., same basis, lb. .22 • —
less than 10,000 lbs., same basis, lb. .22½- —
PCC 3254, 50% solids content, dms, incl., 10,000 lbs., same basis, lb. .23 • —
less than 10,000 lbs., same basis, lb. .23½- —
PCC 3258, 50% solids content, dms, incl., 10,000 lbs., same basis, lb. .23½- —
less than 10,000 lbs., same basis, lb. .24 • —
PCC 3282, 50% solids content, dms, incl., 10,000 lbs., same basis, lb. .16½- —
less than 10,000 lbs., same basis, lb. .17 • —
PCC 3300, 50% solids content, dms, incl., 10,000 lbs., same basis, lb. .33 • —
less than 10,000 lbs., same basis, lb. .33½- —
PCC 3371, 50% solids content, dms, incl., 10,000 lbs., same basis, lb. .33 • —
less than 10,000 lbs., same basis, lb. .33½- —
PCC 3401, dms, incl., 10,000 lbs., same basis...lb. .20½- —
less than 10,000 lbs., same basis, lb. .21 • —
PCC 3402, dms, incl., 10,000 lbs., same basis...lb. .22 • —
less than 10,000 lbs., same basis, lb. .22½- —
PCC 3450, dms, incl., 10,000 lbs., same basis...lb. .21 • —
less than 10,000 lbs., same basis, lb. .21½- —
PCC 3454, dms, incl., 10,000 lbs., same basis...lb. .23 • —
less than 10,000 lbs., same basis, lb. .23½- —
PCC 3457, dms, incl., 10,000 lbs., same basis...lb. .23 • —
less than 10,000 lbs., same basis, lb. .23½- —
PCC 3480, dms, incl., 10,000 lbs., same basis...lb. .22 • —
less than 10,000 lbs., same basis, lb. .22½- —
PCC 3513, dms, incl., 10,000 lbs., same basis...lb. .20½- —
less than 10,000 lbs., same basis, lb. .21 • —
PCC 3539, dms., incl., 10,000 lbs., same basis...lb. .22 • —
less than 10,000 lbs., same basis, lb. .22½- —
PCC 3550, dms, incl., 10,000 lbs., same basis...lb. .22 • —
less than 10,000 lbs., same basis, lb. .22½- —
PCC 3570, dms, incl., 10,000 lbs., same basis...lb. .22 • —
less than 10,000 lbs., same basis, lb. .22½- —
PCC 3604, dms, incl., 10,000 lbs., same basis...lb. .15 • —
less than 10,000 lbs., same basis, lb. .15½- —
PCC 3608, dms, incl., 10,000 lbs., same basis...lb. .15 • —
less than 10,000 lbs., same basis, lb. .15½- —

Prices are f.o.b. Toledo, Ohio, or Kenilworth, N. J. On shipments of one or more full standard size drums, freight is prepaid to carriers' stations nearest destinations in the United States and the Provinces of Ontario and Quebec, Canada. For shipments made in other than standard drums, add 2c. per lb. for half-drum and 5c. per lb. for 5-gal. container.

PLIOLITE, S-5, milled resin, dms., f.o.b. Akron, ton...lb .59 • —
Base, 1A-S-5, titanium dioxide....lb. .45 • —
2B-S5, carbon black, same basis.lb. .60 • —
5-S5, zinc oxide, same basis.....lb. .24 • —
6-S5, red lead, same basis.....lb. .36 • —
7C-S5, Indian red, same basis..lb. .49 • —
8A-S5, zinc chromate, same basis.. lb. .51 • —
12-S5, whiting, precipitated, same basis..lb. .28 • —
13-S5, China clay, same basis..lb. .31 • —
14-S5, lithopone, same basis.....lb. .31 • —
15-S5, zinc sulphide, same basis.lb. .39 • —
17-S5, Prussian blue, same basis.lb. .65 • —
86-S5, toluidin toner, medium, same basis..lb. .95 • —
88-S5, yellow iron oxide, same basis. lb. .45 • —

TITANOX PIGMENTS . . . *serve the following fields:*

INK · PAINT · PAPER
PLASTIC · RAYON · RUBBER
VITREOUS ENAMEL · WELDING

One of the many fields that TITANOX pigments serve is vitreous enamel. Here, TITANOX-A imparts exceptionally high degrees of reflectance, whiteness and opacity to covercoat enamels. This widely used titanium dioxide pigment gives excellent results even at very low application weights.

Since vitreous enamels, made of frit formulated with TITANOX-A, can be applied in thinner coats, production is speeded and increased, costs lowered. And thinner coats also minimize any tendency toward chipping.

The Technical Service Laboratories of the Titanium Pigment Corporation are maintained for the purpose of providing help to customers with respect to the most advantageous and economical use of TITANOX pigments. You are cordially invited to take advantage of these facilities.

TITANOX
Reg. U. S. Pat. Off.

TITANIUM PIGMENT CORPORATION
SOLE SALES AGENT

111 Broadway, New York 6, N. Y.
104 So. Michigan Ave., Chicago 3, Ill.
350 Townsend St., San Francisco 7, Cal.
2600 S. Eastern Ave., Los Angeles 22, Cal.

PLIOLITE, 39C-S-5, C.P., chrome green, medium, same basis..lb. .59 - —
41A-S-5, C. P., chrome yellow, medium, same basis..lb. .48 - —
46B-S5, lampblack, same basis..lb. .53 - —
47-S5, high zinc lithopone, same basis..lb. .34 - —
64-S5, molybdate orange, dark, same basis..lb. .64 - —
65-S5, C.P., chrome yellow, extra light, same basis..lb. .51 - —
66-S-5, phthalocyanine .....lb. .98 - —
68A-S5, C.P., chrome green, extra light, same basis..P .59 - —
80-S-5, non-yellowing titanium dioxide..lb. .45 - —

These prices apply to all orders for resin and base in excess of 2,000 lbs. The order may consist of several items. For quantities of 200 to 1,999 lbs. add 1c. per pound to the above prices. For quantities of less than 200 lbs. add 6c. per pound to the above prices.

PLYOPHEN resins, 5000, dms. incl., c.l., dlvd., zones 1 and 2..lb. .21 - —
L.c.l., same basis.....lb. .21½ - —
5010, dms. incl., c.l., same basis..lb. .20 - —
L.c.l., same basis.....lb. .20½ - —
5012, dms. incl., c.l., same basis..lb. .17½ - —
L.c.l., same basis.....lb. .18 - —
5012-T, dms. incl., c.l., same basis.lb. .16½ - —
L.c.l., same basis.....lb. .17 - —
5025, dms. incl., c.l., same basis..lb. .18½ - —
L.c.l., same basis.....lb. .19 - —
5025-T, dms. incl., c.l., same basis..lb. .17½ - —
L.c.l., same basis.....lb. .18 - —
5044, dms. incl., c.l., same basis..lb. .17½ - —
L.c.l., same basis.....lb. .18 - —
5044-T, dms. incl., c.l., same basis..lb. .16½ - —
L.c.l., same basis.....lb. .17 - —
5045, dms. incl., c.l., same basis..lb. .17 - —
L.c.l., same basis.....lb. .17½ - —
5047, dms. incl., c.l., same basis..lb. .20 - —
L.c.l., same basis.....lb. .20½ - —
5062, dms. incl., c.l., same basis..lb. .20 - —
L.c.l., same basis.....lb. .20½ - —
5062-T, dms. incl., c.l., same basis..lb. .19 - —
L.c.l., same basis.....lb. .19½ - —
5622, dms. incl., c.l., same basis..lb. .21 - —
L.c.l., same basis.....lb. .21½ - —
5623, dms. incl., c.l., same basis..lb. .25 - —
L.c.l., same basis.....lb. .25½ - —
5623-A, dms. incl., c.l., same basis..lb. .25 - —
L.c.l., same basis.....lb. .25½ - —
5624, dms. incl., c.l., same basis..lb. .27 - —
L.c.l., same basis.....lb. .27½ - —
5625, dms. incl., c.l., same basis..lb. .19½ - —
L.c.l., same basis.....lb. .20 - —
5630, dms. incl., c.l., same basis..lb. .23 - —
L.c.l., same basis.....lb. .23½ - —
5631, dms. incl., c.l., same basis..lb. .24 - —
L.c.l., same basis.....lb. .24½ - —
5632, dms. incl., c.l., same basis..lb. .23 - —
L.c.l., same basis.....lb. .23½ - —
5640, dms. incl., c.l., same basis..lb. .20 - —
L.c.l., same basis.....lb. .20½ - —
5641, dms. incl., c.l., same basis..lb. .29 - —
L.c.l., same basis.....lb. .29½ - —
6060, dms. incl., c.l., same basis..lb. .58 - —
L.c.l., same basis.....lb. .58½ - —
6062, dms. incl., c.l., same basis..lb. .28 - —
L.c.l., same basis.....lb. .28½ - —
P-375, dms. incl., c.l., same basis..lb. .25 - —
L.c.l., same basis.....lb. .25½ - —
P-398, dms. incl., c.l., same basis lb. .10½ - —
L.c.l., same basis.....lb. 11 - —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In the states named, add 2½c. per lb. For tankcar quantities, deduct 1c. per lb. from the c.l. price. For less-than-full-drum amounts, add 2c. per lb. to the l.c.l. price.

Polyamide 840, Nos. 93, 94, and 95, f.o.b. works, L.c.l. quantities..lb 56 - —

POLYCO 117-H, polyvinyl acetate, bbls., c.l., f.o.b. Peabody, Mass..lb. 20½ - —
bbls., l.c.l., same basis.....lb. 22 - 22½
Freight allowed to city of destination East of the Mississippi River, or freight allowance not to exceed 1½c. per net lb. of emulsion to points West of the Mississippi River.

141, polyacrylate, bbls., c.l., f.o.b. Peabody, Mass..lb. 28 - —
bbls., c.l., same basis.....lb. 29 - 30

Polyethylene resins, DYLT, bags, c.l. (50,000 lbs.), f.o.b. South Charleston, W. Va..lb. .56 - —
10,000 to 29,999 lbs., same basis lb. .56½ - —
200 to 9,999 lbs., same basis. lb. .57 - —
1 to 199 lbs., same basis.....lb. .60 - —
DYNF, granular, bags, same basis.lb. .44 - —
DYNH, granular, bags same basis.lb. .44 - —
DYNJ, granular, bags, same basis.lb. .47 - —

POLYPALE ester, No. 1, non-ret. dms., c.l., dlvd., zone 1..lb. .15 - —
L.c.l., same basis.....lb. .15½ - —
No. 2, c.l., same basis.....lb. .18 - —
L.c.l., same basis.....lb. .18½ - —
No. 3, c.l., same basis .....lb. .22 - —
L.c.l., same basis.....lb. .22½ - —
No. 10, non-ret. dms., c.l., dlvd....lb. .14 - —
L.c.l., same basis.....lb. .14½ - —

R

R-Bell resin, 516, 66lbs., c.l. or full truck load, f.o.b. Bauer, Utah.lb. .13½ - —
L.c.l., f.o.b. Bound Brook, N. J.lb 16½ - 20

RESIMENE 875, non-ret. dms., c.l., f.o.b. Springfield, Mass..lb. .43½ - —
non-ret. dms., l.c.l., same basis..lb. .43½ - —
5-gal. containers, same basis.....lb. .55½ - —
877, non-ret. dms., c.l., same basis.lb. .40½ - —
non-ret. dms., l.c.l., same basis...lb. .41 - —
5-gal. containers, same basis. ..lb. .53 - —
878, non-ret. dms., c.l., same basis..lb. .43½ - —
non-ret. dms., l.c.l., same basis..lb. .44 - —
5-gal. containers, same basis....lb. .56 - —
881, non-ret. dms., c.l., same basis..lb. .47 - —
non-ret. dms., l.c.l., same basis..lb. .47½ - —
5-gal. containers, same basis....lb. .59½ - —
882, non-ret. dms., c.l., same basis.lb. .47½ - —
non-ret. dms., l.c.l., same basis...lb. .48 - —
5-gal. containers, same basis....lb. .60 - —
Freight charges allowed on shipments of 200 lbs. or more, net weight, via route of shipper's choice up to but not exceeding l.c.l. rate to and including St. Louis, Mo. Shipments of less than 200 lbs., price is f.o.b. Springfield, Mass.

REZYL, 92-5, dms., c.l., frt. alld. E.lb. .28 - —
L.c.l., same basis.....lb. .28½ - —
99-4-69, c.l., same basis.....lb. .28½ - —
L.c.l., same basis.....lb. .29 - —
9955, c.l., same basis.....lb. .28 - —
L.c.l., same basis.....lb. .28½ - —
3105, c.l., same basis.....lb. .24½ - —
L.c.l., same basis.....lb. .25½ - —
3085, c.l., same basis.....lb. .24½ - —
L.c.l., same basis.....lb. .25½ - —
3875, c.l., same basis.....lb. .26 - —
L.c.l., same basis.....lb. .26½ - —
4124, c.l., same basis.....lb. .22½ - —
L.c.l., same basis.....lb. .23½ - —
4554, c.l., same basis.....lb. .23½ - —
L.c.l., same basis.....lb. .24½ - —
7205, c.l., same basis.....lb. .25 - —
L.c.l., same basis.....lb. .26 - —
7505, c.l., same basis.....lb. .24½ - —
L.c.l., same basis.....lb. .25½ - —
7515, c.l., same basis.....lb. .27½ - —
L.c.l., same basis.....lb. .28½ - —
7754, c.l., same basis.....lb. .24½ - —
L.c.l., same basis.....lb. .25½ - —
7755, c.l., same basis.....lb. .26½ - —
7804, c.l., same basis.....lb. .25 - —
L.c.l., same basis.....lb. .26 - —

REZYL, 807-1, c.l., same basis.....lb. .24½ - —
L.c.l., same basis.....lb. .25 - —
811-1, c.l., same basis.....lb. .21 - —
L.c.l., same basis.....lb. .21½ - —
823-1, c.l., same basis.....lb. .24 - —
L.c.l., same basis.....lb. .24½ - —
868-1, c.l., same basis.....lb. .27 - —
L.c.l., same basis.....lb. .27½ - —
869-1, c.l., same basis.....lb. .34½ - —
L.c.l., same basis.....lb. .35 - —
872-1, c.l., same basis.....lb. .27 - —
L.c.l., same basis.....lb. .27½ - —
873-1, c.l., same basis.....lb. .25 - —
L.c.l., same basis.....lb. .25½ - —
1102-5, c.l., same basis.....lb. .24½ - —
L.c.l. .....lb. .25 - —
solid, 99, c.l., same basis.....lb. .46½ - —
L.c.l. .....lb. .47 - —
X-315, c.l., same basis.....lb. .40½ - —
L.c.l. .....lb. .41½ - —
869, c.l., same basis.....lb. .49 - —
L.c.l. .....lb. .49½ - —

Tankcar shipments, where applicable, are priced 1c. per lb. below c.l. quotations.

S

SANTOLITE MHP, 60-lb. tins, incl., 100,000-lb. lots, f.o.b. St. Louis. lb. .35 - —
25,000-lb. lots, same basis.....lb. .36 - —
5,000-lb. lots, same basis.....lb. .37 - —
1,000-lb. lots and less, same basis. lb. .38 - 40
MS 80% solution, 510-lb. dms., incl., 25,000-lb. lots, same basis..lb. .35 - —
5,000-lb. lots, same basis.....lb. .36 - —
1,000-lb. lots and less, same basis, lb. .36½ - 41

SARAN F-120 resin, c.l. works.....lb. .52 - —
L.c.l., same basis.....lb .54 - —

SCHENECTADY resins, SA-301, non-ret. dms., c.l., f.o.b. Schenectady, N. Y., transportation prepaid and alld to dest..lb. .247 - —
L.c.l., same basis. .....lb. .252 - —
SA-302, non-ret. dms., c.l., same basis..lb. .28 - —
L.c.l., same basis.....lb. .28½ - —
SA-303, non-ret. dms., c.l., same basis..lb. .19½ - —
L.c.l., same basis.....lb. .20 - —
SA-305, non-ret. dms., c.l., same basis..lb. .27 - —
L.c.l., same basis.....lb. .27½ - —
SA-400, non-ret. dms., c.l., same basis. lb. .26 - —
L.c.l., same basis.....lb. .26½ - —
SA-401, non-ret. dms., c.l., same basis..lb. .27½ - —
L.c.l., same basis.....lb. .28 - —
SA-402, non-ret. dms., c.l., same basis..lb. .20½ - —
L.c.l., same basis.....lb. .25 - —
SA-403, non-ret. dms., c.l., same basis..lb. .24½ - —
L.c.l., same basis.....lb. .25½ - —
SA-404, non-ret. dms., c.l., same basis..lb. .24½ - —
L.c.l., same basis.....lb. .25 - —
SA-406, non-ret. dms., c.l., same basis. lb. .28½ - —
L.c.l., same basis.....lb. .29 - —
SA-407, non-ret. dms., c.l., same basis..lb. .24½ - —
L.c.l., same basis.....lb. .25 - —
SA-408, non-ret. dms., c.l., same basis..lb. .25½ - —
L.c.l., same basis.....lb. .26½ - —
SA-500, non-ret. dms., c.l., same basis..lb. .22 - —
L.c.l., same basis.....lb. .22½ - —
SA-500-A, non-ret. dms., c.l., same basis..lb. .25 - —
L.c.l., same basis.....lb. .25½ - —
SA-501, non-ret. dms., c.l., same basis..lb. .25 - —
L.c.l., same basis.....lb. .25½ - —
SA-502, non-ret. dms., c.l., same basis..lb. .25½ - —
L.c.l., same basis.....lb. .26½ - —
SA-503, non-ret. dms., c.l., same basis..lb. .24 - —
L.c.l., same basis.....lb. .24½ - —
SA-504, non-ret. dms., c.l., same basis..lb. .22 - —
L.c.l., same basis.....lb. .22½ - —
SA-505, non-ret. dms., c.l., same basis..lb. .27 - —
L.c.l., same basis.....lb. .27½ - —
SA-508, non-ret. dms., c.l., same basis..lb. .22½ - —
L.c.l., same basis.....lb. .23 - —
SA-600, non-ret. dms., c.l., same basis..lb. .27 - —
L.c.l., same basis.....lb. .27½ - —
SA-600-A, non-ret. dms., c.l., same basis..lb. .24 - —
L.c.l., same basis.....lb. .24½ - —
SA-601, non-ret. dms., c.l., same basis..lb. .31½ - —
L.c.l., same basis.....lb. .32 - —
SA-604, non-ret. dms., c.l., same basis..lb. .27 - —
L.c.l., same basis.....lb. .27½ - —
SA-605, non-ret. dms., c.l., same basis..lb. .31½ - —
L.c.l., same basis.....lb. .32 - —
SP-30, non-ret. dms., c.l., same basis..lb. .20½ - —
L.c.l., same basis.....lb. .21 - —
SP-31, non-ret. dms., c.l., same basis..lb. .21½ - —
L.c.l., same basis.....lb. .22½ - —
SP-40, non-ret. dms., c.l., same basis..lb. .22 - —
L.c.l., same basis.....lb. .22½ - —
SP-41, non-ret. dms., c.l., same basis..lb. .23½ - —
L.c.l., same basis.....lb. .23½ - —
SP-60, non-ret. dms., c.l., same basis..lb. .25 - —
L.c.l., same basis.....lb. .25½ - —
SP-62, non-ret. dms., c.l., same basis. lb. .25½ - —
L.c.l., same basis.....lb. .26 - —

Tankcar price is 1c. per lb. less than carload price. Freight is not paid or allowed to points south of Virginia and Kentucky, or west of the Mississippi River, excepting cities of St. Louis and Minneapolis. If shipments are specified by transportation means with rates in excess of minimum, the excess transportation will be charged to customer

SILENE (see Calcium silicate hydrated under C in Current Market Quotations).

STAYBELITE ester, No. 1, non-ret. dms., c.l., f.o.b. customer's siding, zone 1..lb. 19½ - —
L.c.l., same basis.....lb. 20 - —
No. 2, c.l., same basis.....lb. 20½ - —
L.c.l., same basis.....lb. 21 - —
No. 3, c.l., same basis.....lb. 23½ - —
L.c.l., same basis.....lb. 24 - —
No. 5, c.l., same basis.....lb. 21 - —
L.c.l., same basis.....lb. 21½ - —
No. 10, c.l., same basis.....lb. 21 - —
L.c.l., same basis.....lb. 21½ - —
No. 20B-66, c.l., same basis.....lb. 21½ - —
L.c.l., same basis.....lb. 22 - —

STYRESOL, resins, 1250, dms., incl., c.l., dlvd. zones 1 and 2..lb. .24 - —
L.c.l., same basis.....lb. .24½ - —
4100, dms. incl. c.l., same basis. lb. .24 - —
L.c.l., same basis.....lb .24½ - —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In the states named, add 3½c. per lb. For tankcar quantities, deduct 1c. per lb. from the c.l. price. For less-than-full-drum amounts, add 2c. per lb. to the l.c.l. price.

SUPER-BECKACITE resins, 1001, dms. incl., c.l., dlvd., zones 1 and 2. lb. .24 - —
L.c.l., same basis.....lb. .24½ - —
1003, dms. incl., c.l., same basis ..lb. .32 - —
L.c.l., same basis.....lb. .32½ - —
2000, dms. incl., c.l., same basis..lb. .30 - —
L.c.l., same basis.....lb. .30½ - —
2100, dms. incl., c.l., same basis..lb. .26 - —
L.c.l., same basis.....lb. .26½ - —
3011, dms. incl., c.l., same basis. lb. .35 - —
L.c.l., same basis.....lb. .35½ - —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In the states named add 3½c. per lb. For tankcar quantities, deduct 1c. per lb. from the c.l. price. For less-than-full-drum amounts, add 2c. per lb. to the L.c.l. price.

SUPER-BECKAMINE resin, 3701, dms. incl., c.l., dlvd., zones 1 and 2. lb. .42½ - —
L.c.l., same basis.....lb. .43 - —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In the states named, add 5½c. per lb. For tankcar quantities, deduct 1c. per lb. from the c.l. price. For less-than-full-drum amounts, add 2c. per lb. to the L.c.l. price.

SYNARYL resins, S-78, dms. incl., non-ret., c.l., dlvd., zone 1..lb. .30 - —
L.c.l., same basis.....lb. .30½ - —
160-A, dms. incl., non-ret., c.l., same basis..lb. .22½ - —
L.c.l., same basis.....lb. .23 - —
121, dms. incl., non-ret., c.l., same basis..lb. .22 - —
L.c.l., same basis.....lb. .22½ - —
131, dms. incl., non-ret., c.l., same basis..lb. .22½ - —
L.c.l., same basis.....lb. .23 - —
155, dms. incl., non-ret., c.l., same basis..lb. .22½ - —
L.c.l., same basis.....lb. .24 - —
234, dms. incl., non-ret., c.l., same basis..lb. .22 - —
L.c.l., same basis.....lb. .22½ - —
235, dms. incl., non-ret., c.l., same basis..lb. .22 - —
L.c.l., same basis.....lb. .22½ - —

SYNTEX resins, H-3, 100% solids, non-ret. dms., c.l., f.o.b. Louisville, Ky..lb. .24½ - —
L.c.l., same basis.....lb. .25 - —
9 (or 1922), 50% solids, non-ret. dms., c.l., same basis..lb. .25½ - —
L.c.l., same basis.....lb. .26½ - —
11-12, 50% solids, non-ret. dms., c.l., same basis..lb. .26 - —
L.c.l., same basis.....lb. .26½ - —
16, 60% solids, non-ret. dms., c.l., same basis..lb. .29½ - —
L.c.l., same basis.....lb. .30½ - —
19-B, 50% solids, non-ret. dms., c.l., same basis..lb. .27½ - —
L.c.l., same basis.....lb. .28½ - —
19-C, 45% solids, non-ret. dms., c.l., same basis..lb. .22½ - —
L.c.l., same basis.....lb. .23 - —
23, 50% solids, non-ret. dms., c.l., same basis..lb. .24 - —
L.c.l., same basis.....lb. .24½ - —
23-5D, 50% solids, non-ret. dms., c.l., same basis..lb. .21 - —
L.c.l., same basis.....lb. .21½ - —
26, 50% solids, non-ret. dms., c.l., same basis..lb. .24½ - —
L.c.l., same basis.....lb. .25 - —
28, 65% solids, non-ret. dms., c.l., same basis..lb. .31½ - —
L.c.l., same basis.....lb. .32 - —
32, 50% solids, non-ret. dms., c.l., same basis..lb. .23½ - —
L.c.l., same basis.....lb. .23½ - —
32-B, 50% solids, non-ret. dms., c.l., same basis..lb. .21½ - —
L.c.l., same basis.....lb. .22½ - —
40, 70% solids, non-ret. dms., c.l., same basis..lb. .27½ - —
L.c.l., same basis.....lb. .28 - —
54, 50% solids, non-ret. dms., c.l., same basis..lb. .23½ - —
L.c.l., same basis.....lb. .24 - —
55, 50% solids, non-ret. dms., c.l., same basis..lb. .27½ - —
L.c.l., same basis.....lb. .28 - —
56, 70% solids, non-ret. dms., c.l., same basis..lb. .27 - —
L.c.l., same basis.....lb. .27½ - —
60-A, 70% solids, non-ret. dms., c.l., same basis..lb. .27½ - —
L.c.l., same basis.....lb. .28 - —
115, 45% solids, non-ret. dms., c.l., same basis..lb. .20 - —
L.c.l., same basis.....lb. .20½ - —
115-D, 45% solids, non-ret. dms., c.l., same basis..lb. .18 - —
L.c.l., same basis.....lb. .18½ - —
121, 50% solids, non-ret. dms., c.l., same basis..lb. .26 - —
L.c.l., same basis.....lb. .26½ - —
128, 60% solids, non-ret. dms., c.l., same basis..lb. .17 - —
L.c.l., same basis.....lb. .17½ - —
130, 50% solids, non-ret. dms., c.l., same basis..lb. .24½ - —
L.c.l., same basis.....lb. .25½ - —
131, 40% solids, non-ret. dms., c.l., same basis..lb. .17 - —
L.c.l., same basis.....lb. .17½ - —
1979, 50% solids, non-ret. dms., c.l., same basis..lb. .26½ - —
L.c.l., same basis.....lb. .27 - —

Freight prepaid and allowed to destinations in New England, the Middle Atlantic States, Virginia, North and South Carolina, West Virginia, Ohio, Kentucky, Tennessee, Indiana, Illinois, Michigan, Wisconsin, Iowa, Missouri, and the cities of Minneapolis, St. Paul, and Duluth, Minnesota. For shipments to all other points in the United States add 5½c. per pound to the L.c.l. price; for carloads add ½c. per pound. For shipment in five-gallon pails, add 2c. per pound

T

TEGLAC, 15, dms., c.l. frt. alld E.lb. .26 —
L.c.l., same basis.....lb. .26½ - —
127, c.l., frt. alld. .....lb. .23½ - —
L.c.l., same basis.....lb. .24 - —
128, c.l., frt. alld.....lb. .23½ - —
L.c.l., same basis.....lb. .24 - —
Z-132, c.l., frt. alld .....lb. .23½ - —
L.c.l., same basis.....lb. .24½ - —
161, c.l., frt. alld.....lb. .23½ - —
L.c.l., same basis.....lb. .24½ - —
164, c.l., frt. alld.....lb. .23½ - —
L.c.l., same basis.....lb. .24 - —

U

UFORMITE resins, F-296E, 55% solids content, ret. dms., c.l., frt. alld., district 1. .....lb. .32½ - —
L.c.l., same basis.....lb. .33 - —
F-226E, 50% solids content, ret. dms., c.l., same basis..lb. .42 - —
L.c.l., same basis.....lb. .42½ - —
F-210, 60% solids content, ret. dms., c.l., same basis..lb. .34½ - —
L.c.l., same basis.....lb. .35 - —
MM-55, 50% solids content, ret. dms., c.l., same basis..lb. .43 - —
L.c.l., same basis.....lb. .43½ - —

UFORMITE resins, MU-56, 50% solids content, ret. dms., c.l., same basis..lb. .43 - —
L.c.l., same basis.....lb. .43½ - —
Prices are f.o.b. Bridesburg, Philadelphia, Pa., with minimum transportation charges allowed to destination in district 1 on shipments of one standard drum or more. District 1 comprises 19 points in the United States or Canada except for points in Arizona, British Columbia, California, Colorado, Idaho, Manitoba, Montana, New Mexico, Nevada, Oregon, Texas, Utah, Washington and Wyoming. Tankcar deliveries are priced 1c. per lb. below carlot listings. A deposit charge of $4 each is made on all 50-gal. drums.

V

VALITE 7796-D, bgs., c.l (80,000 lbs and over), f.o.b. Lockport, La. lb. .1610- - —
20,000 lbs. to 79,999 lbs., same basis..lb. .17 - —
less than 20,000 lbs., same basis. lb. .18 - .20
8123, dms., c.l. (36,000 lbs. and over), same basis..lb. .12½ - —
* 9,000 to 35,999 lbs., same basis.lb. .13 - —
less than 9,000 lbs., same basis.lb. .14 - .15
These prices are based on alcohol solution of approximately 60% resin content, but will be correspondingly adjusted for any variations therefrom

VANADISET resins, grade B, 240-255° F. m.p., whse..lb. .028 - .032
C, 315-340° F. m.p., whse.....lb. .021 - .050
D, 170-180° F. m.p., whse.....lb. .030 - .055
MR, 270-276° F. m.p., whse....lb. .024 - .050
pulverized, whse.....lb. .085 - .150
solution, whse.....lb. .280 - .350

VELSICOL AH-11-2, non-ret. dms., c.l., f.o.b. Marshall, Ill....lb. .11½ - —
L.c.l., same basis.....lb. .11½ - —
AD-6-3, non-ret. dms., c.l., same basis..lb. .14 - —
L.c.l., same basis.....lb. .14½ - —
AD-6-7, non-ret. dms., c.l., same basis..lb. .11½ - —
L.c.l., same basis.....lb. .12 - —
Solutions, A15-200, non-ret. dms., c.l., same basis..lb. .09½ - —
L.c.l., same basis.....lb. .10¾ - —
tanks, same basis.....lb. .08½ - —
AD-201-8, non-ret. dms., c.l., same basis..lb. .10½ - —
L.c.l., same basis.....lb. .11½ - —
tanks, same basis.....lb. .09¾ - —
AD-600, non-ret. dms., c.l., same basis..lb. .11¾ - —
L.c.l., same basis.....lb. .12¾ - —
tanks, same basis.....lb. .10¾ - —
AD-670, non-ret. dms., c.l., same basis..lb. .12½ - —
L.c.l., same basis.....lb. .13¾ - —
tanks, same basis.....lb. .11½ - —

VINSOL, resin, c.l., f.o.b. works....lb. .65 - —
1,000 lbs., same basis.....lb. .66 - —
500 lbs. to 950 lbs., same basis..lb. .66½ - —
less than 500 lbs., same basis..lb. .69 - —

Vinyl acetate resin, AYAA, AYAC, AYAF, granular (in paper bags only), f.o.b. cars South Charleston, W. Va., freight paid to destination E. of Mississippi River, c.l., (39,000 lbs.)..lb. .40 - —
AYAA, AYAF, AYAT, 2,000 to 29,999 lbs., same basis...lb. .43 - —
200 to 1,999 lbs., same basis...lb. .45 - —
1 to 199 lbs., same basis.....lb. .60 - —
AYAC, solid, fiber dms., at option of seller, c.l. (39,000 lbs.), f.o.b. cars South Charleston, W. Va. lb. .43 - —
2,000-29,999 lbs., same basis.... lb. .45 - —
200-1,999 lbs., same basis.....lb. .47 - —
1-199 lbs., same basis.....lb. .62 - —

Butyral resins, XYSG, XYSH, granular, paper bags.
30,000 lbs., f.o.b. cars South Charleston, W. Va., c.l..lb. 1.00 - —
10,000 to 29,999 lbs., same basis..lb. 1.01 - —
200 to 9,999 lbs., same basis....lb. 1.02 - —
1 to 199 lbs. same basis.....lb. 1.18 - —

Chloride-acetate, VYLF, VYHH, VYNW, VYNU, VYDR, VYNV, VYNY powdered, c.l. (30,000 lbs.), paper bgs., f.o.b. cars, South Charleston, W. Va..lb. .33 - —
10,000 to 29,999 lbs., same basis lb. .34 - —
200 to 9,999 lbs., same basis....lb. .35 - —
1 to 199 lbs., same basis.....lb. .51 - —
VYNS, c.l. (30,000 lbs.), paper bgs., same basis. lb. .44 - —
10,000 to 29,999 lbs. same basis lb. .45 - —
200 to 9,999 lbs., same basis....lb. .46 - —
1 to 199 lbs., same basis.....lb. .62 - —
VYCU, pwrd., c.l. (30,000 lbs.), paper bgs., f.o.b. cars South Charleston, W. Va..lb. .38 - —
10,000-29,999 lbs., same basis....lb. .39 - —
200-9,999 lbs., same basis.....lb. .40 - —
1-199 lbs., same basis.....lb. .56 - —
VMCH, c.l (30,000 lbs.), same basis, lb. .39 - —
10,000 to 29,999 lbs., same basis lb. .40 - —
200 to 9,999 lbs., same basis....lb. .41 - —
1 to 199 lbs., same basis.....lb. .57 - —
VAGH, 200 to 9,999 lbs., same basis. lb. .49 - —
1 to 999 lbs., same basis.....lb. .65 - —

VYCC Solution 40, supplied as 40% solution in butyl acetate, non-ret. dms., 1 55-gal dm. (450 lbs.), same basis..lb. .23 - —
1 to 52 gals., (approx. 8.5 to 442 lbs.), same basis..lb. .24 - —
Price of VYCC Solution 40 per lb. of solution per shipment against single order. Extra charge of 8¢ for 1-gal. containers.

VINYLITE resin, AYAF, 35% by weight, solution in acetone, same basis.
A-35, drum lots, same basis....gal. 2.10 - —
less than drum lots, same basis.gal 2.50 - —
Modified vinyl acetate resin, 24.5% by weight, solution in toluene, same basis.
T-24-9, 20-dm lots, same basis..gal 2.00 - —
drum lots, same basis.....gal 2.25 - —
less than drum lots, same basis.gal 2.50 - —
Modified vinyl acetate resin, 28% by weight, solution in 82% methyl acetate, same basis.
MA-28-11, 20-dm. lots, same basis.gal. 2.15 - —
drum lots, same basis.....gal. 2.40 - —
less drum lots, same basis....gal. 2.65 - —
MA-28-18, 20-dm lots, same basis.. gal. 2.15 - —
drum lots, same basis..... gal. 2.40 - —
less than drum lots, same basis. gal. 2.65 - —
AYAB, 69-72% by weight, solution in acetone, non-ret. dms., ex 5-gal. carboys, f.o.b. South Charleston, W. Va.
A-70, drum lots, same basis....gal. 4.50 - —
less than drum lots, same basis.. gal. 5.00 - —

HYDROSOL W-125, 52-55% polyvinyl acetate resin dispersed in water, non-ret. dms. except 5-gal. clys., 2,800 gals. and up, freight pd. to destination E. of Miss. R., dry lb. .373 - —
250 to 2,750 gals., same basis.... dry lb. .40 - —
50 to 200 gals., same basis.... dry lb. .41 - —
1 to 20 gals., same basis, dry lb. .42 - —
Billing is based on actual number of lbs. contained resin shipped. Extra charge of 5¢ for 1-gal. containers. Prices for 50-gal. quantities and up apply only to shipments made in 50-gal drms

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The Draft and the Job

Employer management has been asked by the military authorities to look upon the draft and other aspects of national military training in the light of national welfare. The request is a reasonable one. Those who opposed the proposal of universal service, those who now oppose the milder substitute of the draft may mean well; but their thinking is not characterized by either reason or logic or common sense. Some are the victims of wishful thinking; some merely seek momentary notoriety; some are motivated by influences which cannot be defined, even by themselves. None has the good of the nation at heart.

Peace cannot be maintained on any scale without an adequate police force. And one of the most potent assurances of peaceableness is the knowledge, especially by way of sight, that a competent equipment of peace officers is at hand. Much of the distressful, distasteful experience in Germany would never have been met if the United States had kept an adequate police force there.

The military authorities say that many draftees are much concerned by the uncertainty of their employment status upon the completion of their service. The same comment was made earlier with reference to members of reserve organizations called to training during the past two months. It is clear that such worries have a bad effect on individual morale, which can quite easily become epidemic. Nothing else in the national existence is so important as is national security. Nothing, not even uncertainty or doubt, should be left in the path of those who are privileged to become prepared to assure its maintenance. And the latest request that employers conduct their own registrations of draftable employees in the plant has more than one appeal for acceptance.

Interpreting the Cement Case

The reaction of business to the decision of the Supreme Court of the United States which outlawed the basing-point pricing system as practiced by the cement industry has all the characteristics of any controversy in economics. Everybody, apparently, reads into the decision just what he wants it to mean. The fact that the interpretations run all the way to diametric opposition simply bears out the well-established fact that any question in economics has at least three sides—your side, my side, and the right side. The Federal Trade Commission found the basing-point system destructive of competition. The supreme court agreed. But, there are many theoretical economists and commercial practitioners in the field of economics who contend that the barring of the system will kill competition. Much, of course, depends on what is meant by competition—a point on which neither theoretical nor commercial economists are among themselves in agreement as to whether it means to try to beat the other fellow or merely to keep up with him.

One of the most popular interpretations of destructiveness of the basing-point decision is that it prescribes that all sales must be priced on an f.o.b. plant basis. How it is possible to read that into the dictum of the court the impartial student cannot readily discern for this is what the court said:—

> Most of the objections to the order appear to rest on the premise that its terms will bar an individual cement producer from selling cement at delivered prices such that its net return from one customer will be less than from another, even if the particular sale be made in good faith to meet the lower price of a competitor. The commission disclaims that the order can possibly be so understood. Nor do we so understand it . . . It is thus apparent that the order by its terms is directed solely at concerted, not individual activity on the part of the respondents.

As far as the cement decision is concerned an individual seller can price anything at any basing point, assume any part of the cost of delivery. He can, of course, also refuse to do so—and blame his refusal on the supreme court. But, there is no legal reason why a seller of cement cannot today sell his product to a buyer at any point at the same price such a sale would have involved before the FTC order was upheld.

The one thing at which the FTC order to the cement industry was directed was the "planned common course of action," and its consequent levying of a phantom freight charge against buyers in certain localities closer to the actual shipping point than to the basing point. The supreme court declared that the existence of a "combination" is not an indispensable ingredient of an "unfair method of competition"; but, it insisted that the basing-point system in question was both unfair and concerted.

The basing-point decision, like every other pronouncement in economics, lends itself to a wide variety of interpretation and application. Its effect on prices can be whatever the individual seller—or a group—may decree. Of itself, it has nothing whatsoever to do with the complaint to a congressional committee that the cement mill in his local area refuses to sell to a would-be buyer. But, such will be the arguments for legislative remedying of the evils charged to the decision. The outcome will not necessarily be betterment all around.

Control of Pesticidal Poisons

Now that manufacturers and distributors of insecticides, herbicides, fungicides, rodenticides, and other products encompassed by the Federal economic poisons, or pesticide, law have got pretty well lined up with the requirements of that statute, they are faced with a number of things by reason of the pronouncement of the American Medical Association that sales of new pesticides should be controlled. The medical organization would avert "possible tragic consequences" of the unrestricted sale of arsenates, fluorides, and the newer organic economic poisons. It will be listened to in many legislative halls.

Various enactments of State and local governmental agencies already exist with a purpose of safeguarding the use of pesticidal poisons. For years there has been a recurrence of rumblings about how purveyors of such potentially dangerous articles "get away with murder." The retail drug trade revives every now and then its battle against the discrimination which it charges exists in the fact that the retail druggist must keep a poison register and get the signature of a purchaser of even a fraction of an ounce of a poison while the seller of bug-killers and the like, wholly exempt from any preparatory education and from licensing, can peddle poisons by the pound without even labeling them.

So, AMA will get more than a little backing in its campaign for controlled distribution of economic poisons. Manufacturers of such materials can ill afford to become targets for the sort of condemnation that can be and is poured out upon anyone who "poisons the public for profit." There is a sensible way of meeting the real point that the medical organization raises. The pesticide trade should get started early in that way; because there are other ways, popular with various schools of reform, which can be unwarrantedly harmful to it.

Washington Talks It Over

—*Continued from page 3*

creating competition, will work just the opposite in many areas. Chicago is cited as an example. The brands of a half-dozen or more cement manufacturers could be found on the Chicago market, all selling at relatively the same price level. The city will now have to rely on the one manufacturer which happens to be located within the city limits for its supply, he says, or pay for the higher-costing cement from distant producers.

Cement plants generally are located in very small communities and in many cases the community has grown up around the plant. If the industry must decentralize, as some declare to be inevitable, it remains to be seen how readily the industry can overcome the labor supply problem that would result. How many of the present workers will move along with the plant is problematical.

Taxes Cost Plenty

Revenues of the Federal, State, and local governments in 1947 reached $52,100,000,000, according to the Bureau of the Census. Of this mount, $49,600,000,000 represented tax collections and the remainder represented fees and other miscellaneous charges. On a per capita basis, the tax collections amounted to a level of $344 on every person in the country; of this, $257 was the per capita amount going to the Federal government.

While Federal government revenues have declined in the past two years, State and local revenue has been rising, from $12,400,000,000 in 1945 to $13,200,000,000 in 1946, and a new high of $15,300,000,000 in 1947. Total 1947 revenue of all governments was more than double the 1942 amount. Federal revenue having amounted to 179 percent and State and local revenue gaining by 34 percent.

Taxes on individual incomes provided more than a third of all governmental revenue in 1947. A net total, excluding refunds, of $18,300,000,000, or $127 per person, was collected under such taxes—only $500,000,000 of which was collected by the States. Collections from corporation income taxes, primarily a Federal government revenue, dropped 26 percent from 1946.

Cooperatives Are Big Business

The farmer cooperative movement is on the upswing, not so much in the number of associations being formed, but in the membership of existing associations. During the 1946-47 marketing season, 400,000 new members were added to the rolls, raising the total membership of the co-ops to 5,400,000.

The desire to ban together in their marketing and purchasing operations was most noticeable among the growers of grains, dry beans, and rice and among the producers of dairy products. In these two groups alone there were 4,356 listed associations with 1,348,000 members, who did a business of $3,664,000,000 during the season. Other groups in which the cooperative movement is strong can be found in producers of cotton and cotton products, fruits and vegetables and livestock.

No longer can cooperatives be classified as small business. The dollar volume of the 10,125 associations in the 1946-47 year ran up to $7,100,000,000, about 16 percent more than a year earlier. Of this total almost $1,500,000,000 was accounted for by cooperative purchasing of farm supplies, and the balance of $5,600,000,000 represented farm products marketed.

Flaxseed Support May Sag

A big question which consumers of flaxseed products would like to see settled soon is what will be the level of support, if any, that the government will extend to the 1949 crop of flaxseed. In view of the existing surplus supplies of flaxseed, linseed oil, and linseed meal, the question is becoming of increasing importance in gaging the future market.

The Department of Agriculture may provide the answer sooner than is generally expected. There is a strong probability that the government's intentions may be announced before the end of this month so that the farmers in California, Arizona, and Texas, where the flaxseed is planted early, may get in on the groundfloor. It wasn't until the farmers' intentions in these three States had been pretty well settled that the department disclosed the $6 per bushel support price for the 1948 crop.

It is almost a certainty that there will be a support program for the 1949 crop, and it is just as certain that it will be considerably less than the $6 support for the 1948 crop. The guessing is that it will be around $4.50, which should enable linseed oil prices to drop down nearer to their normal ratio to other oils used in the paint industry.

Grain Storage Lacking

Farmers are facing what is probably the most serious grain storage situation in history. The results can be expected to be seen in pictures in the local papers pretty soon of huge mounds of wheat, corn, oats, and other grains piled in open fields for lack of bins, cribs, elevators, and other storage facilities.

The July crop report forecast we would have a total of more bushels of corn, oats, wheat, rye, and barley than we have ever had before. Then the August crop report added 300,000,000 bushels of grain to our prospective crop. In face of these record crops, the amount of storage available isn't much more than it was in 1940. About all that has been done in the past eight years is to replace the storage that was lost by fire, rotting, wind storms, and other usual losses. There has been practically no new storage space added to the total.

There was a time when the Commodity Credit Corporation could step in and help relieve the pinch. At one time CCC had steel and wooden bins that would store about 300,000,000 bushels of grain. It now has bins to store about 50,000,000 bushels, and for some unknown reason Congress—"friend of the farmer"—saw to it last session that CCC could not expand these facilities.

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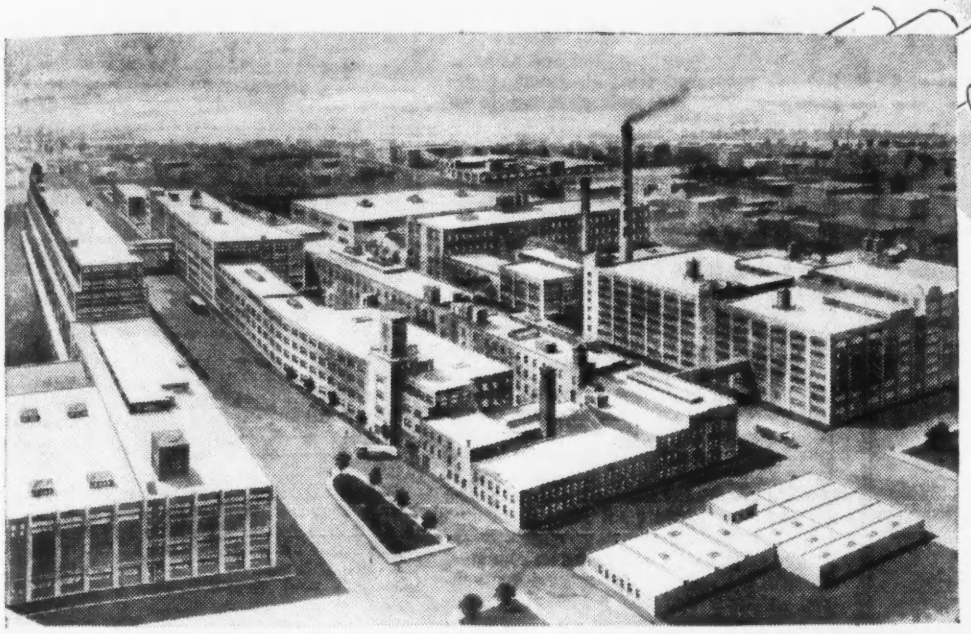
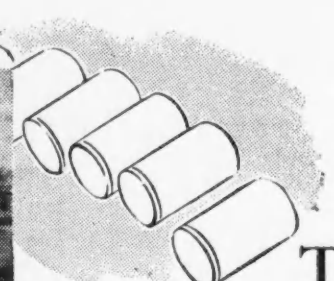


Plant and laboratories—Brooklyn, New York



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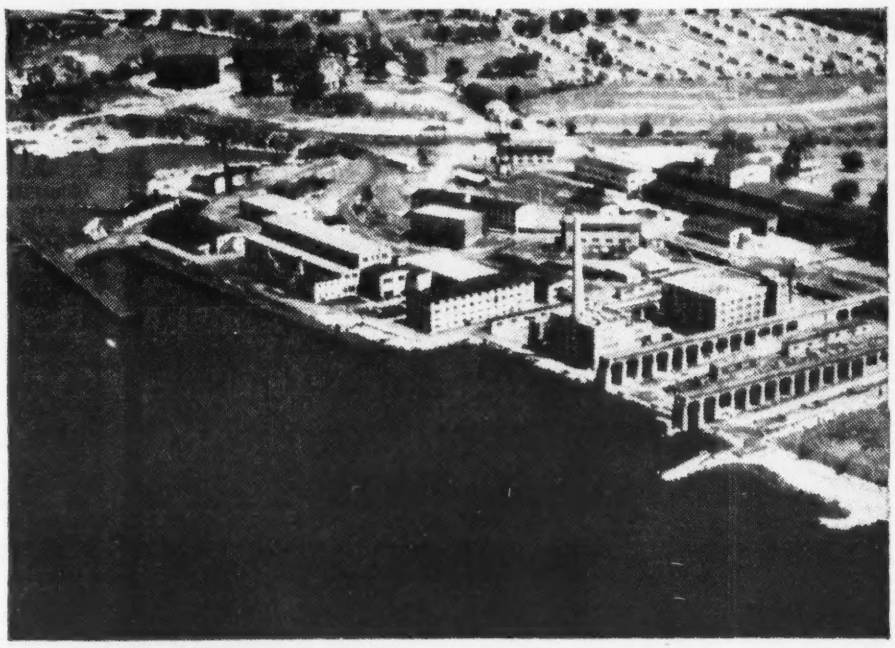
New plant at Groton, Conn.



The first item being produced at Groton is Citric Acid Anhydrous, thereby making available larger quantities of the *anhydrous* form which is becoming increasingly popular because of its advantages. As this form contains no water of crystallization you pay for the *shipment* of Citric Acid and *Citric Acid only* . . . you pay *storage and handling charges* on Citric Acid and *Citric Acid only*.

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Heavy Chemicals

Monochloroacetic acid was reduced last week for both purified and technical flakes. Freer supplies of synthetic acetic acid appear to have been the cause of the downward revision. Some producers advanced the price of rubbermakers' zinc carbonate 1½c. per pound at the beginning of the month, others have not followed through to date. Silver bullion has displayed more strength under increased buying. No upward revision in zinc sulphate was announced although an upward price movement in the near future would not come as a surprise to the trade. In some producing quarters an advance of ½c. per pound was made for glacial acetic acid in tankcars but in others no price change was announced to date. A strike-bound glacial acetic acid plant is now in partial operation with shipments going forward to regular contract customers.

Soda Ash supply is easing and demand has not recovered from its Summer relaxation. The soda ash situation is so close to normal that some producers look for an open market to materialize during the last quarter. Liquid caustic soda is in almost the same condition as soda ash although there has been no significant easement in flaked, solid or any of the dry forms of caustic. Chlorine in tankcars was in fairly free supply with cylinders experiencing an increased demand occasioned by the late hot weather period. There appeared to be no serious shortage of carbon tetrachloride although some producers are still allocating this material to their regular customers. Bleaching powder was in free supply. Both technical and U. S. P. epsom salt were relatively short as a result of the recent temporary shutdown of a large producing plant. There were no excess stocks of nickel sulphate and more than one producer is experiencing difficulty in keeping flush with contract commitments. Florida has entered the market for copper sulphate and the principal agricultural demand at present is from that state.

Paper production based on a percentage of six-day capacity was 96.5 percent for the week ending August 28, according to the American Pulp and Paper Association. This compared with 97.7 in the preceding week and 104.1 for the corresponding week in 1947.

Ammonium Bicarbonate—Demand has slowed down for this material during the hot-weather period but is expected to pick up from the cracker bakeries by the end of the month. Stocks have been maintained at a level to meet requirements promptly.

Barium Chloride—Moderate buying interest was noted in the local market which remained firm at former price levels. Stocks, while not excessive, have been sufficient to meet requirements promptly.

Bleaching Powder—Current stocks are ample to meet the moderate demand for this material. Producers are still finding it difficult to secure barrels and steel drums but are getting some of the latter. The carlot price for drums is 4¼c. per pound and 4¾c. is named for smaller quantities f.o.b. the works.

Calcium Chloride—One of the tightest chemicals in the entire list. It is stated that production was never equal to demand but the recent labor disturbances at one of the largest producing plants have forced shipments further behind schedule. No easement in sight for supply for the remainder of this year.

Carbon Tetrachloride—Stocks meeting demand in most instances although in one producing quarter it was stated that production is being allocated with current output insufficient to level off requirements.

Chlorine—Slight improvement in the availability of this material was noted last week. The recent hot spell increased the demand for cylinders for sewage disposal but it looked as though requirements had been satisfied by the close of the week. It was stated that the supply situation in tankcars while spotty had shown improvement. Demand from the textile mills as well as the pulp and paper mills relaxed during the Summer months but is expected to show a seasonal pick-up with the ending of the vacation period and cooler weather.

Copper Sulphate—Florida has entered the market for seasonal requirements and most of the buying last week was attributed to that state. The market situation is firm backed by the strong conditions prevailing in copper metal.

Epsom Salt Technical—Not in free supply at the present time. Heavy backlog orders which accrued during the recent strike at a large producing plant have not been satisfied to date and it is stated that stocks will remain short until the market is brought into a better state of balance. The same condition applies also to the USP grade.

Nickel Chloride—Finding an outlet in the cement and water-proofing industries and also for various catalystic uses. Market firm at late advance with stocks meeting demand promptly.

Nickel Sulphate—Somewhat tighter in supply than recently noted with producers under heavy pressure for prompt shipments which are averaging slightly below contract schedules. While demand has relaxed to some extent from the soapmakers, it was increased substantially for plating uses.

Potash, Caustic — Liquid stocks have met current requirements promptly. Flaked and other dry forms not in free supply but said to be about flush with current demand. Inquiry fair from soap, chemical and miscellaneous consuming industries.

Potassium Carbonate—Meeting current requirements on a fairly prompt basis but dry forms not in free supply. Consuming demand moderately active for uses in ceramics, glass, chemicals, confectionary and leather. Prices firm but without quotable change.

Potassium Chlorate — Buying interest steady with the match factories prominent in current trading. Demand has increased substantially during recent weeks for oxidizing purposes in miscellaneous industries. September and most of October production is under contract with producers inclined to name November as the earliest shipment.

Potassium Perchlorate—Persistent buying by the fusee trade has covered domestic production for September and October. It was stated that railroads are back of the buying movement and that large orders for flares and signals have been placed to facilitate the heavy Fall movement of freight trains. November is still named as the earliest month for additional business.

Soda Ash—Contract requirements are being readily filled in both light and dense ash and the market appears to be developing a normal condition. Production has about caught up with current requirements although most producers have not attained the position where they can consider additional contracts although judging from trade reports, an open market is not far away. The urgent call from the glass, paper and other consuming industries disappeared earlier in the year and producers are now called upon to meet a normal demand which may not prove such a difficult problem.

The output of soda ash in the United Kingdom has increased about 6 percent since the beginning of 1948, according to the Board of Trade.

Soda, Caustic—Easement in the supply of liquid caustic soda is noted. This condition has been occasioned by a relaxation of industrial demand and maintenance of production at a relatively high level. Solid, flaked and powdered have remained in short supply. Output of these forms is small and the cost of production is much higher than liquid. It was stated that demand for export has relaxed of late with England, France and Italy carrying sufficient stocks to meet requirements.

Sodium Chlorate — Broadening demand for this chemical has taken about all the material available for immediate and prompt shipments. In producing quarters

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Silver bullion, 1½c. per ounce.

Prices Reduced

Monochloroacetic acid, 2½c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week	Prev. week	Last month	Last year
222.6	222.6	218.1	200.5

Acids

Last week	Prev. week	Last month	Last year
122.4	122.4	122.4	119.3

(For Current Prices see Page 9)

it was stated that, aside from weed-killer, buying interest for oxidizing and reagent uses has been sustained at an unusually high level. Late October or November shipment is about the best that producers care to consider for additional lots.

Sodium Nitrite—Stocks have remained at a relatively low level under a rather persistent demand from the consuming trades. The meat-packing, dyestuff and metal industries have been represented in the current buying movement. It is stated that, while purchases are individually small, the aggregate has been quite substantial. Prices were unchanged.

Sodium Stannate—Moving under rigid government control to the ceramic, glass and textile industries. The market position is firm with stocks available to meet current requirements. In a breakdown of the schedule, producers name 58c. per pound for 10,000 pound lots, 59.1c. for ton lots, 60.9c. for 700 pounds and 63.3c. for 100 pound lots, all in drums delivered.

Sodium Sulphide—Supply conditions have continued to improve although there is no suggestion that stocks are excessive at present. This material was scarce during the early part of the year but production has succeeded in eliminating shortages and contract consumers have been receiving shipments regularly.

Zinc Carbonate—While one producer has advanced the l.c.l. price to 12½c. per pound for barrels, others did not change their price to date. It is expected in the trade that a general upward revision will be made shortly to cover the increased cost of production. The current price range for rubbermakers' grade is 10¾c. to 12½c. per pound f.o.b. the works.

Zinc Sulphate—Selling at former prices with stocks meeting demand promptly. It is stated that most of the larger consumers are under contract until the first of the year. Sentiment in the trade favors higher prices and a revision is possible in view of current high producing costs.

Acids

Acetic—Market position for glacial firm with improvement in demand expected by the end of the month. While the strike has not been settled at a glacial plant, partial operation has continued and some shipments have been made to contract consumers. In one producing quarter an advance ½c. per pound was announced for glacial in tankcars.

Chromic—Continued in short supply under the maintenance of a heavy demand for miscellaneous plating uses. Production at present is not sufficient to meet requirements readily and the market holds the same firm, tight position recently noted.

Hydrofluosilicic — Stocks have been maintained at a level to meet consuming demand promptly. Inquiry from the breweries, ceramic plants and from various trades where a reagent is essential has been fairly active with buyers showing a preference for lots representing current requirements.

Monochloroacetic—Priced lower at 23½c. to 24½c. for purified flaked and at 19c. to 21c. per pound for technical flaked in drums depending upon the quantity involved. The revision was attributed to freer supplies of acetic acid.

Oxalic—Supply condition is definitely tight with demand remaining considerably in excess of current production. Shipments are behind schedule and are confined to regular contract consumers.

Sulphuric—Demand has been satisfied readily with stocks available for prompt shipment in carboys, drums and tankcars. Some relaxation has developed in the inquiry from the superphosphate trade owing the pressure on storage facilities at the present time.

Non-Ferrous Metals

Aluminum—Production of aluminum ingot at secondary smelters gained 11 percent in May, totaling 14.629 short tons, according to the Bureau of Mines. Much of the increased scrap consumption that resulted in greater production of ingot was due to accelerated use of the more desirable grades of scrap. It was apparent that the higher scrap prices were bringing into the scrap market surplus castings and wrought products that had been held for possible resale as usable materials rather than as scrap. Prices of scrap items advanced, on the average, about 1c. a pound, and prices of the various grade of ingot continued to climb, with increases up to 2c. a pound. There was no apparent lessening of demand for aluminum, even with secondary ingot selling at a considerable

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Consumption of aluminum scrap by ingot makers totaled 16,423 tons in May, a gain of 8 percent over the 15,250 tons used in April. The trend of use toward the old scrap items, after having been interrupted in April, was apparently renewed, as consumption of old scrap increased in greater proportion than that of new scrap. Consumption of old castings and forgings gained 28 percent, and that of irony aluminum rose 38 percent, but use of aircraft scrap declined 11 percent. Use of new alloy sheet and clips, the most important new scrap item, increased 16 percent, but consumption of borings and turnings gained only 3 percent, and that of dross and skimmings decreased 28 percent. Output of aluminum-copper-silicon (each over 2.5 percent) alloy recovered most of its April loss, gaining 1,669 tons or 32 percent. Production of deoxidizing ingot also increased substantially, totaling 17 percent more than in April.

Copper—Market's price position was firm and unchanged at 23½c. per pound. It was stated that sales for delivery this month approximate 75,000 tons and it is expected that about 25,000 additional tons will be moved to consumers. Shortage of stocks restricted export business. Press advices from Santiago stated that a decree issued by the Ministry of the Treasury authorizes sales to countries unable to pay in dollars. It is believed the measure will favor specially Argentina, Spain, Italy and France. These countries may pay in their own currencies, under certain conditions. The decree allows export of copper products in semi-finished or finished form, and includes products in which copper alloys are used. Countries having commercial pacts with Chile may pay at the rate of 31 Chilean pesos per dollar.

Lead—Some of the labor disputes at producing plants were settled last week which permitted the restoration of a more normal production. The market position has continued firm with available stocks exceedingly short of current demand. According to foreign advices some 300 tons of Italian lead have been purchased at 23¼c. per pound, c.i.f. New York.

Lead Scrap—Secondary smelters' receipts of lead scrap decreased for the third consecutive month and stocks were reduced 7 percent during May according to the Bureau of Mines. Recovery of secondary lead, tin and antimony totaled 40,562 tons bringing the total of reclaimed metals in the first 5 months of 1948 to 211,528 tons or almost 10,000 tons less than had been reclaimed in the corresponding period of 1947. Both receipts and consumption of lead-base scrap in May were the lowest recorded since August 1947. Receipts of 46,447 tons and consumption of 50,305 tons were 11 and 9 percent, respectively, below the 1947 monthly averages. Receipts of battery-lead plates declined for the third consecutive month and stocks were reduced to 19,222 tons by May 31.

The secondary lead industry produced a total of 46,745 tons of products in May, 33,594 tons of which were secondary pig metals, 7,037 tons were fabricated products and 6,114 tons were pig, bar or ingot containing 50 percent or more of primary metals. An estimated 58 tons of tin and 213 tons of lead were consumed in brass and bronze ingot by this group and primary metals used in lead-base products totaled 6,464 tons. Net recovery of 40,562 tons of lead, tin and antimony was approximately the same as in April but was 5 percent below the average monthly recovery in 1947.

Quicksilver—No unusual activity could be noted in the local market. Stocks are ample to meet current requirements and sellers have continued to name $76 per flask for spot material.

San Francisco — The quicksilver market is quiet. Little spot metal is available on the Pacific coast. Prices are steady. Metal was quoted at $81 per flask, f.o.b. this city.

Silver—While showing some irregularity, the trend of silver prices was upward during the past week. It was stated that Mexico would resume silver coinage to a degree that would utilize most of the domestic production, estimated at around 4,000,000 ounces monthly. That would mean smaller supplies for the market here. It was a similar announcement by

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Elected Ansul President

F. J. Hood has been elected president of Ansul Chemical Company, Marinette, Wis. He succeeds Harvey V. Higley, who has been named chairman of the board of directors. Associated with Ansul since 1928, Mr. Hood became secretary-treasurer in 1938 and vice-president seven years later.

Mexico, carried out for several months, that rallied the price of the metal last year. Consuming demand was more active with the entrance of seasonal orders for manufacturers preparing goods for the holiday period. Stocks were sufficient to meet requirements promptly. The official closing price for silver bullion in the New York market was 75¼c. per

Silver Bullion Price Range

	Per ounce—New York	Per ounce—London
High	Sept. 3, 1948—75¼c.	Jan. 2, 1948—45d.
Low	Aug. 13, 1948—72⅜c.	Aug. 17, 1948—44d.

Tin Scrap—In May tin-base scrap receipts dropped 25 percent to 446 tons, consumption fell 21 percent to 434 tons and stocks rose less than 1 percent to total 1,422 tons at the end of the month, according to the Bureau of Mines. The largest drop in both receipts and use occurred in tin babbitt scrap. All items showed a decrease in month-end inventories with the exception of scruff and dross in which classification receipts exceeded consumption.

Zinc—Production still aggrevated by labor disturbances has tightened the supply available for consumers while demand showed no sign of easement. Export inquiry remained active for prime Western but the shortage of stocks prevented any important additional sales. Prime Western was priced at 15c. East St. Louis and 15.65c. per pound New York.

Cresylic Acid Reported

—*Continued from page 7*

country has found such a large need for them that about 20,000,000 pounds are imported, primarily from England. Another large use of cresylic acid is in ore flotation. With the continual impoverishing of the ores mined in this country, we need more and more agents which will beneficiate the ore so that it can be extracted economically. Luckily, cresylic acid has been found to be a good agent for the manufacture of a large number of ore flotation chemicals, and about 10 percent of its output now goes into this field.

"Textiles, medicinals, dyes, and inks consume another 10 percent of the cresylic acid. Although 30 percent of the cresylic acid is made from petroleum, much of that goes back into the field, as cresylic acid is used in the refining of petroleum for the maufacture of specialty oils and greases. Thus we see that the petroleum industry contributes to some extent to its own raw materials. Cresylic acid is used to inhibit gum formation in cracked gasolines and as a selective solvent in the purification of these gasolines.

"Even though bug killing was the only use a generation ago, no cresylic acid is used for that purpose at present. However, the general field of disinfectants and insecticides consumes about 10 percent of the cresylic acid.

"In order to relieve the critical shortage of cresylic acid, research is under way at the Polytechnic Institute of Brooklyn on the manufacture of synthetic cresylic acids. Since both petroleum and coaltar, as direct sources, seem to be inadequate, a new base has been found. This base is toluene, which is converted into a mixture of cresylic acids by means of sulfonation followed by caustic fusion. Toluene is one of the few chemicals which is in ample supply at present.

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Geological Survey Personnel Changes

John F. Deeds, principal engineer of the Conservation branch of the Geological Survey, Department of the Interior, has voluntarily retired after thirty-seven years of service in the Federal government. The survey also announced the appointment of Francis M. Bell as district engineer in charge of surface water investigations in Colorado and Wyoming to succeed Robert Follansbee who has been district engineer at Denver, since January 1, 1912. In addition to his administrative duties, Mr. Follansbee has been engaged on special studies and preparation of reports and in order that this work be completed before his retirement in June, 1949, requested that he be relieved of administrative duties.

Atomic Energy Conference

—*Continued from page 7*

nations. Representing the three nations at the declassification meeting will be:

United Kingdom—Dr. J. D. Cockcroft, director of atomic energy research; Dr. H. J. Emeleus, professor of chemistry, Cambridge University; Dr. K. Fuchs, senior principal scientific officer, Harwell; Dr. R. E. Peierls, professor of theoretical physics, University of Birmingham, and Dr. J. H. Awbery, principal scientific officer, Department of Atomic Energy, U. K., Secretary.

United States — Dr. W. C. Johnson, chairman, department of chemistry, University of Chicago; Dr. W. F. Libby, professor of chemistry, University of Chicago; Dr. J. H. Manley, associate director, Los Alamos scientific laboratory, secretary of the general advisory committee of the AEC; Dr. R. L. Thornton, professor of physics, University of California; Dr. F. de Hoffmann, secretary, committee of senior responsible reviewers and consultant, Los Alamos scientific laboratory; Dr. H. A. Fidler, chief, declassification branch, AEC, secretary to the delegation, and Bennett Boskey, office of general counsel, AEC, legal advisor. Drs. Johnson, Libby, Manley and Thornton are senior responsible reviewers of the AEC declassification system.

Canada—Dr. W. B. Lewis, director of the division of atomic energy research, Chalk River, and Dr. L. G. Cook, head, chemistry branch, atomic energy project, Chalk River, secretary.

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Chemical Industry Sales

—Continued from page 3

try, while the percentage return per sales dollar was about 10 percent, as compared with about 7 percent for all industries, according to Dr. Aries, who reported that in a study of the income of fifty leading chemical companies he found fifteen made a profit of between 1 and 5 percent on the sales dollar; fourteen made between 5 and 10 percent; thirteen between 10 and 15 percent; five between 15 and 20 percent, and two more than 20 percent.

"Not withstanding sharply rising costs, earnings in 1947 were substantially over 1946," Dr. Aries continued. "Despite these high earnings, chemical companies have done a substantial amount of borrowing in order to handle the tremendous volume of business and finance the high cost of improvement and productive facilities. Only about half of last year's net income was paid out in dividends, the balance being more than absorbed by increases in plant and equipment.

"Earnings were benefitted by the removal of price controls late in 1946, which helped readjust the cost, and by high inventory profits and the repeal of the wartime corporate excess profits tax. The net worth of chemical companies increased over 25 percent in 1947, indicating the tremendous new construction accomplished during that year.

Earnings Not Excessive

"Profits do not mean profiteering. While the earnings of the chemical industry have been high, they have not been excessive. These record-breaking profits have been less so than the increase in wages, in farm income, and in bank demand in deposits as compared to prewar or wartime years.

"The high cost of corporate living has also caught up with many companies as well as with consumers.

"In case of a recession in sales volume, the chemical industry is now much more vulnerable than it was in 1941. Its break-even points have increased by about 40 percent since then, putting them dangerously near capacity."

Oil Industry Earnings Ahead

While net earnings of the industry have increased, Dr. Aries stated, this has not been true of all chemical companies. The annual rate of the petroleum industry is closest to that of the chemical industry, and in fact has outstripped it at times, although on the whole chemicals have had the better record during the last fifteen years, he said.

The chemical companies spend more for research than any other group, which probably is a principal reason for their success, Dr. Aries declared.

U.S. Acts to Ease

—Continued from page 3

ing. Yet these states produced only 8 percent of the phosphates mined in the United States this past year, he stated.

Phosphate Shortage Critical

"At the same time as western phosphate is lying in the ground, the nation is suffering a critical shortage of phosphate," he said. "The chemical industry needs for its work and the farmer needs very large additional quantities for fertilizer to protect his soil and meet the needs for full agricultural production. This shortage started with the war and has intensified every year thereafter.

"The greatest sufferers from the phosphate shortage are the farmers in our western and north central states. In a common-sense reaction to increasing depletion of the soil, farmers in these seventeen states increased their use of phosphate fertilizers from 35,000 tons before the war to 200,000 tons in 1946. They would have taken even more had they been able to get it.

"At present, farmers in the western area are getting their phosphate fertilizers from processing plants in Florida and Tennessee. This is a long haul. Western farmers are paying as much as $60 per ton more than the Florida farmer pays for the same product. It is in the national interest to meet western demand from processing plants in the west which will mitigate this freight differential. In this respect at least, the west need no longer serve as a colonial dependency to the east."

Naphthalene

Muriatic Acid

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Price Control Held Useless Without Control of Wages

Price control is useless unless it is accompanied by similar regulation of wages and production, James G. Park, vice-president of the Enjay Company, New York, told the 114th national meeting of the American Chemical Society in Washington last Tuesday.

"At the present time we have demands for return of controls to regular prices, but price control without the control of wages and production is meaningless, so that it is either the choice of a disciplined economy radiated by industry itself, or an authoritative control by the State," declared Mr. Park.

"Any disciplined economy," he continued, "must be predicated on an accurate determination of the markets and the insurance of proper distribution. This is especially important as we are now entering a phase where many industries are competing for the customer's dollar."

Mr. Park said that the constant aim of the industrial economist is to find a means of developing a more accurate index of consumption and distribution.

"Without a sound establishment of the objectives of a business and a sound measurement of performance against these goals, business could be likened to a ship without a rudder," Mr. Park declared. "Therefore, to obtain the greatest effectiveness, the ultimate aim of market research should be to see the production and distribution problems as a whole, and not as fragments."

The economist realizes, the speaker continued, that freedom of choice as it now exists will be altered by government controls. History has shown that government, endeavoring to protect the citizen against depressions, has attempted to regulate business, and that free enterprise has been forced to make many adjustments as a result of the depressions.

At first government regulated the quality of goods and then, by a series of interventions through the years, successively tried to control profits, minimum wages, working hours and production itself, he added.

Mr. Park, whose topic was "Fundamentals of Market Research," characterized the technique of determining markets as a scientific study of all problems related to the transfer and sale of goods and services from the producer to the consumer.

Phila. Quartz Gets Patent For Water Purification

U. S. Patent 2,444,774, a process patent on the purification of raw water, was granted recently to Harold R. Hay and assigned to the Philadelphia Quartz Company, manufacturer of sodium silicate.

This patent covers the company's "N-Sol-A Process" of preparing activated silica sol which has been formed by reaction with ammonium sulphate or other salts of ammonia and dilute sodium silicate. This sol used in conjunction with a coagulant such as alum or iron salts is said to produce rapid formation of large floc, resulting in the removal of a greater percentage of impurities from the raw water.

Further information in this development is available from the company at Public Ledger building, Philadelphia 6.

Ground and Refined Sulphur Increased $5-$7 Per Ton

Price increases on ground and refined sulphurs, announced by one of the principal manufacturers in last week's issue of OPD, ranged from $5 to $7 per ton. Basis for the increases was the substantial increase in raw materials as well as manufacturing costs. The eastern seaboard prices were revised further to reflect increased transportation costs.

Cowles Detergent Opens New $1,000,000 Plant

The Cowles Detergent Company, Cleveland, has completed its new $1,000,000 plant at Skaneateles Falls, N. Y., for the manufacturing, packaging and shipping of the company's line of heavy chemical detergent silicates as well as its line of specialized detergents for the commercial laundry, metal cleaning, food sanitation and other fields.

Goodrich Building Plant

B. F. Goodrich Company, Akron, Ohio, has begun construction of a new building at its Tuscaloosa, Ala., plant for the fabrication of rubber tank lining. The current expansion of the chemical industry in the south makes the project a logical move, said E. F. Tomlinson, general manager of the company's industrial products division. He explained that the material is widely used in chemical plants to prevent destructive reactions which cause contamination of acids stored in metal tankcars and storage tanks.

Monsanto to Move Lockport Plant to Springfield, Mass.

Monsanto Chemical Company, St. Louis will move its Lockport, N. Y., plant to the company's plastics division at Springfield, Mass., in the near future. The move hinged upon the completion of a new unit at Springfield for the production of formaldehyde, availability of which is vital to efficient manufacture of Lockport products.

Trade Briefs

Owens-Illinois Glass Company's glass container division, Toledo, Ohio, has opened its customer research and market development facility in that city.

Libbey-Owens-Ford Glass Company, Toledo, Ohio, observed last Monday the fiftieth anniversary of ground-breaking ceremonies for Edward Ford Plate Glass Company, predecessor of the present firm.

Ciba Pharmaceutical Products, Inc., Summit, N. J., has granted its employees a cost-of-living increase of 7 cents an hour retroactive to July 1. An additional increase of 7 cents is to be made January 1, 1949.

Carbon disulphide plant, with an estimated capacity of 250 tons monthly, recently started operating in the British Zone of Austria. Reportedly it will supply one-third of Austria's requirements of this material.

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Agricultural Chemicals

Difficulty in securing sufficient nitrogen is hampering mixing operations at fertilizer factories. It is stated that several mixers have their bins stocked with superphosphate and are deferring shipments until they can relieve their storage space. This condition has been reflected in a cutback production of superphosphate and lessened the demand for phosphate rock. Meanwhile, the latter product has been able to improve its supply position and the market at present is more nearly normal than at any time since the ending of the second world war. Demand for coke-oven ammonium sulphate has continued to exceed the available supply with no nearby improvement in sight. Lower steel output last week cast a rather discouraging shadow upon ideas of increased production of this sulphate. Shipments of Canadian ammonium nitrate are running about three weeks behind schedule as a result of plant repair work. Potash shipments have been confined to regular contract channels with the movement about flush with specifications. Spot shipments of sodium nitrate have continued to feature that market.

No unusual activity was registered in dried blood or tankage. Interest of the feed trade has shifted to vegetable oil meals and corn. Prices of these packinghouse by-products did not change although the undertone of the markets appeared easier. Fish meal, while quiet, held firm. No castor pomace was offered on spot.

Nitrogenates

Ammonium Sulphate — Supply situation appeared a little tighter last week with lower steel production, occasioned by the recent hot spell. No easement in demand could be noted and the market for contracts was firm at $45 per ton, bulk, carlot shipments of coke-oven sulphate at the works.

Bone Meal—Market position firm with prompt shipments scarce and some of the largest producers out of the market temporarily. No change in prices recorded.

Castor Pomace—No spot material offered. Production sold against contracts and shipments confined to these channels. The contract price is $27.50 per ton in bags, carlot shipments from works.

Dried Blood—No sales were reported below former price levels although the tone of the market appeared easier on account of the continued lack of support from the feed trade. It was stated that the market is experiencing rather stiff competition from freer offerings of vegetable oil meals and corn.

Fish Meal—Trading quiet with market firm for menhaden meal in the Baltimore area although no price changes were reported for either meal or scrap. It was stated that the season for the latter is about over. California sardine meal 65 percent protein was quoted at $130 per ton, Los Angeles.

Hoof Meal—Supply definitely small at present. Chicago quoted $6.50 bid and $7 per unit of ammonia asked.

Sodium Nitrate — Where warehouse stocks are available spot shipments have been made at former price levels. Too early to consider contract business at this time.

Tankage—Absence of important buying interest has kept the market situation quiet. The feed trade appears to be operating in other competing products at the present time. Current output of tankage is not heavy and offerings have been limited. Prices showed no significant change from previous levels.

Phosphates

While a strong market situation has prevailed, some improvement in supply conditions can be noted. It is stated that for the first time since the war, the market shows some progress toward normal. This condition has been brought about by increased production and a slowing down of demand for superphosphate.

Superphosphate — Some slackening of demand for this material has been occasioned by lack of storage space at mixing plants. The shortage of nitrogen has made it impossible for some mixers to operate and aside from this, a lot of repair work to plants is underway including sulphuric acid facilities. Demand is expected to increase with improved shipments and less storage pressure which usually occurs during the last quarter.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
79.7	79.7	76.4	71.6

(For Current Prices see Page 9)

The market for normal superphosphate is 76½c. per unit of a-p-a here and at Baltimore.

Spain's production of superphosphates in 1947 totaled 350,235 metric tons, valued at approximately $13,474,000, according to the Mining Council, Madrid.

Potashes

Demand has continued to exceed production and the market supply condition has necessarily remained tight. Producers are moving all the material possible against standing contracts and are not in a position to increase commitments at this time regardless of buyers' efforts to obtain more stocks. Transportation facilities have not proved much of a problem to date and mine output has moved out regularly into consuming channels.

In the first quarter of 1948, 546,467 metric tons of potash were produced in the British Zone of Germany, compared with 188,977 tons in the corresponding period of 1947.

Los Angeles Fertilizer Market

Los Angeles.—Call for agricultural materials continues to be slow during the summer months. Supplies are meeting demand. No price changes reported. Ruling prices are:—Ammonium nitrate, $75.04 per ton f.o.b. this city. Ammonium phosphate, $65 per ton for 16-20 grade f.o.b. Los Angeles, and $89.50 per ton for 11-48 grade f.o.b. this city. Ammonium sulphate, $48.50 in bulk, $51.50 in bags. Blood meal, $6 per unit of ammonia at source. Bone meal, $60 to $62 per ton for steamed 1x30 meal. Fish meal, $130 per ton f.o.b. Los Angeles for 65 percent California sardine meal. Sodium nitrate, $53 per ton in 100-pound bags, $5 off for bulk. Potassium muriate, 43½c. per unit f.o.b. Trona basis. Bags additional. Potassium sulphate, 95 to 98 percent K_2SO_4 in bulk 79c. per unit, f.o.b. Trona. Superphosphate, $20.20 f.o.b. this city, bulk. Tankage, dry rendered, ground 50 percent protein, $5.50 per unit of ammonia at production plant, plus 10c. per unit of b.p.l.

Pesticides

Market conditions are generally quiet with activity narrowed down to the usual dimensions incident to this period of the year. According to trade reports, inventories carried over are relatively small as a result of the cautious attitude of both producers and dealers throughout the past season.

DDT—June production dropped to the lowest level for any of the first six months. The total was 355,262 pounds, according to the Chemical Division of the Tariff Commission. May output was 562,648 pounds and the high was reached in January at 2,331,546 pounds.

This summer's certification requirements under the Japanese beetle quarantine regulations applicable to the interstate movement of fruits, vegetables and cut flowers was progressively terminated starting August 26, the Agricultural Department's Bureau of Entomology and Plant Quarantine, announced. Certification requirements for fruits and vegetables, except green corn, were lifted at the close of August 26, with the restrictions on green corn remaining until the close of September 17. Bulk shipments of fresh cut flowers, the regulated item most subject to late-season adult beetle infestation, will require certification through September 30.

Sulphur and Pyrites

Mine shipments of native sulphur for June were 375,556 long tons, compared with 446,653 in the preceding month, according to the Bureau of Mines. Total shipments for the first half of 1948 amounted to 2,419,437 long tons, against 2,356,985 for the same period a year ago. Apparent sales in June were placed at 403,331 long tons, compared with 450,170 in May. Total sales for the first half of this year were 2,461,559 long tons, compared with 2,353,635 for the first half of 1947. Pyrites remained quiet with prices unchanged.

For Late Market Developments, See Page 4

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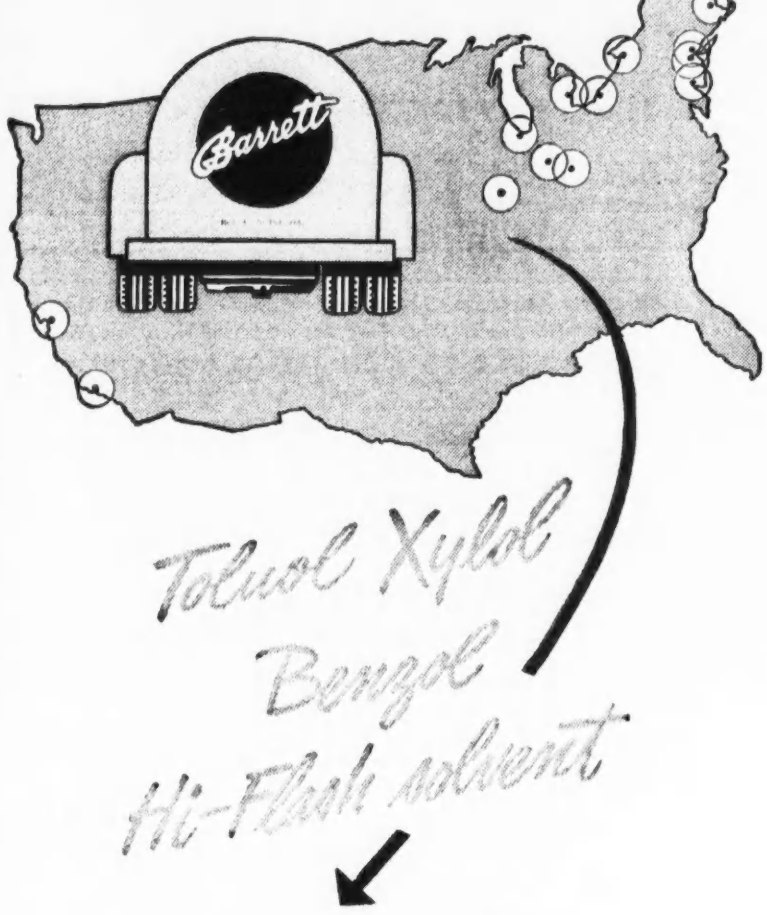

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Coaltar Chemicals

The market for coaltar chemicals was for the most part quiet last week. No price changes affecting the market index were made and it remained at 154.6.

There were increases announced by two producers of phenol USP, but others were still holding the line on prices, with the result that only the high side of the range changed. One producer had switched this product from a freight equalized to an f.o.b. basis and another was considering such action. Those who did advance their prices boosted them by one cent for carload and less carload quantities and about one-half cent for tankcar shipments.

There had been considerable discussion of refined naphthalene, cresylic acid and phthalic anhydride prices in the industry for the past several weeks, and many quarters expected that prices on these materials would advance on September 1. However, those producers who were considering advances put them off for the time being, and as of last week were pointing to October 1 as a possible date for changes to go into effect.

The supply of most basic products continued to be tight and indications were that there would be no considerable improvement in the immediate future. Demand, however, was strong and showed all likelihood of continuing that way. The intermediates were in a slightly better position as far as supply went, but there were still a number of shortages in that group that producers were trying to overcome. The demand for the intermediates remained good in most cases.

Imports of such items as naphthalene, cresylic acid and creosote were holding up well. The first two items were being readily accepted on the American market, but the creosote was hardly needed since domestic production was high and there were considerable amounts of the material in storage.

The operating rate of steel companies having 94 percent of the capacity of the industry was 95.2 percent of capacity last week, according to the American Iron and Steel Institute. This was equivalent to 1,716,000 tons of steel ingots and castings compared to 1,728,600 tons one week ago; 1,616,900 tons one year ago and 1,281,210 tons for the average week in 1940, the highest pre-war year.

Basic Products

Benzol—There seemed to be no hopes during the past week of any immediate easing in the demand for this material. For some time past there had been a heavy buying interest in this market and indications in the industry were that this interest would continue for some time to come. The supply position of the item was still unchanged. It remained difficult to obtain and there seemed to be no chance of adding a great deal to the supply in the immediate future. Producers were doing all they could to keep their production up to as high levels as possible but they were still not able to fill all the orders at the time their customers wanted them. There was some diversity of opinion concerning the state of supply, with some sellers feeling that it was critical and others saying that it had not as yet reached the critical stage. At any rate, they were in agreement that there were certainly no excess stocks of it on the market.

Coaltar—Demand for this material continued to be heavy during the past week, and despite reports that there were some easings noted here and there, it was still a difficult material to obtain and showed all likelihood of remaining in that position for some time to come. What little easing there was was having only minor effect on the overall supply picture, since the demand was so great that anything resembling free supply was taken up quickly. These conditions had no effect on the price structure of the material, however, and prices held firm and unchanged during the week, with no indications given that any changes were in prospect in the immediate future.

Cresol—The pricing basis of this material was still a major consideration during the past week. One producer had recently announced that it had gone over from a freight equalized to a works basis on this material and others were giving the matter their serious consideration. Some concerns reported that they had their legal departments studying the situation, but as yet had no definite word as to whether they would follow suit or continue selling on a freight equalized basis. To some producers such a switch represented a considerable task and it was not expected that they could make any overnight changes. It was pretty certain that the matter was not being ignored in any quarters, however, and announcements on what producers would do about it were expected to be made from time to time.

There were no price changes as such announced for this product during the past week, although final costs were affected in various parts of the country as a result of new f.o.b. prices. Supplies of the material were still short and seemed likely to continue that way for some time to come. Demand for it was steady and showed no signs of tapering off, at least not in the immediate future.

Cresylic Acid—This material was in an interesting position during the past week regarding supply, talk of increases in price and the question of switching over from a freight equalized to an f.o.b. basis.

Members of the American Chemical Society, meeting in Washington, heard that the material was in a critical supply position because the demand for it in recent years has increased faster than makers could expand their production facilities. The many new uses for this material have caused considerable effort to be expended in an attempt to produce synthetic cresylic acid. It was pointed out that the demand for cresylic acid is about 200,000,000 pounds yearly.

For some weeks back the industry had been hearing that the price of this material was expected to increase. Then one producer announced that it had gone over from a freight equalized to a works basis and any further price increases from that source were expected to be postponed, if not entirely forgotten. Other producers reported that they were considering going over to a works basis but since this represented a considerable job for some of them, there were no further announcements made during the week. Last week's imports totaled 933 drums from Avonmouth, Hull and Liverpool.

Naphthalene—The trade had been hearing for several weeks that advances in this material might be announced on the first of September, but that day came and went and major producers of the material were still holding to their old price schedules. Regarding refined naphthalene, one producer stated that it still had no word on the considered increases and another stated there were no rises yet, although some might just possibly come about soon. However, it was more likely that nothing would be done, if at all, until the first of October. Arrivals in New York last week were 1,840 bags from Hull, 236 from Antwerp and 2,819 from Rotterdam.

Phenol—Higher prices for the USP came about during the past week. On September 1, the contract price of one firm advanced and on that date another producer announced that its prices would go into effect on contract on October 1, although spot quotations were advancing as of September 1. Some other producers did not announce actual increases but one went over recently from a freight equal-

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
154.6	154.6	154.6	134.8

(For Current Prices see Page 9)

Coke By-Products

Estimates of by-product cokeoven operations in the week ended August 28 indicate the following output of by-products from that source:—

Ammonia liquid NH3	lbs.	1,130,240
Ammonia sulphate	lbs.	30,532,056
Benzol	gals.	3,351,316
Coaltar	gals.	14,237,140
Creosote oil	gals.	795,110
Naphthalene, crude	lbs.	1,333,337
Phenol	lbs.	223,624
Toluol	gals.	770,263
Xylol	gals.	173,930

For Late Market Developments, See Page 4

lized to a works basis and another announced that it was considering the matter of making the same kind of switch. Since all producers did not raise prices the lower side of the range remained unchanged but the outside advanced.

The range, as revised, was:—carloads, 13c. to 14¼c.; less than carloads, 13¾c. to 15c. and tanks, 12c. to 12½c. The increases amounted to 1c. a pound in carload and less than carload lots and about ½c. a pound in tanks. The rising costs of basic raw materials were given as the principal reasons for the price changes.

The supply of phenol was still tight and seemed destined to remain that way for some time to come. There had in recent weeks been reports of some easing in the demand for this material from the plastics industry, but when compared to the overall picture it was found that this easing was only slight and had but a minor effect on the general supply condition of the product. Producers were doing all they could to maintain phenol at as high production levels as possible, but despite their efforts shortages were still developing. The demand for the material had been heavy for some time and was continuing that way during the past week, with all indications that it would remain high for some time to come.

Pyridin—Interest in this product last week still centered on the switch from a freight equalized to an f.o.b. basis that some producers had already instituted and others were considering. One of the major sellers announced several weeks back that it had put the product on a works basis as a result of the Supreme Court decision in the cement case. Others did not move so quickly, but they immediately placed the matter under consideration, and as of last week were still giving it their study. Their legal departments had the matter under advisement, and announcements were expected from them some time in the future. Just when they would be made, and what the final decisions would be was hard to say, for it was a difficult task for some of the producers to make the switch and it was expected that some time might elapse before they could finally settle the matter.

Supplies of the refined material during the past week were tight, as they had been for some time, and showed all indications of remaining that way for some time to come. Demand, on the other hand, continued at a strong rate, and there seemed to be no prospects of an immediate easing. The other grades were in a better position as to supply, although they were still far from free. They were in a good demand and gave indications of staying that way.

Solvent Naphtha—Demand for the crude material last week continued to be heavy, and the supply of the item continued to be tight. Suppliers were looking for no immediate improvement in this situation. The refined grades were also reported to be in a tight position, although the pressure for them was reported to be slightly easier than it was for the crude. Price schedules for the material remained firm and unchanged during the past week and there were no indications that any changes were under way.

Toluol—Long established customers were having their needs for this material satisfied, but it was reported that others were encountering some difficulties when it came to getting as much of the material as they needed and at the time they wanted it. Supplies were still somewhat restricted despite the fact that producers were doing all they could to make as much of the material as possible. Demand was strong and showed no indications of tapering off. Prices, however, held firm and unchanged and there were no immediate indications of any changes.

Still of interest to the industry was the switch that was in progress from a freight equalized basis to an f.o.b. basis. Some producers had already made this change, but for others it required a considerable amount of work and their announcements on what they ultimately planned to do were still being awaited.

Xylol—This was another product that makers were studying for a possible switch from a freight equalized to an f.o.b. basis. Some had already gone over to a new schedule, but others still had the matter under consideration. Demand for the material continued to be heavy, and since supplies were not all that producers hoped for, there were still shortages likely to be found here and there.

Intermediates

Acid, Betaoxynaphthoic—There were no price changes reported for this material during the past week and producers said there were none anticipated for the immediate future. The supply and demand situation, too, was unchanged.

Betanaphthol—This material continued

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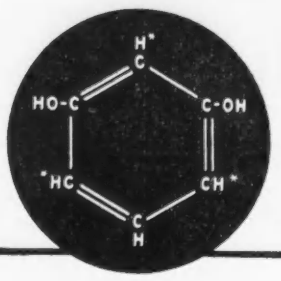

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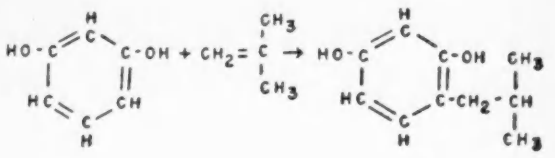

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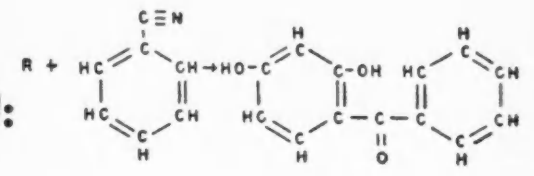
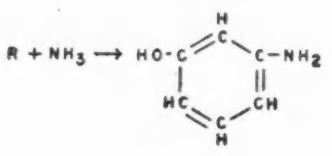
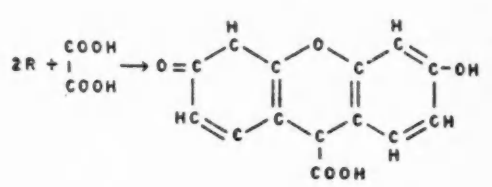


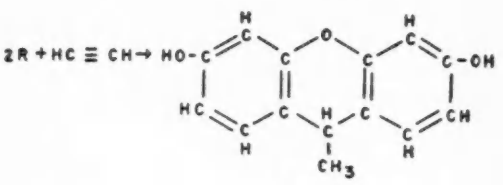
AMINATION:



RESOXALIC ACID FORMATION:



VINYLATION CYCLIZATION:



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to be in an extremely tight position as to supply during the past week, and the indications were that it would stay that way for some time to come. It had been reported that there were other producers who were planning to enter the market, but not immediately. When they did come into the market, it would still remain to be seen how much they would help the general supply situation. Despite the tightness, there were no changes last week in the price schedules and there were no indications that any were planned for the immediate future.

Metanitroparatoluidin — The supply of this item continued very tight during the past week and there seemed to be no immediate hopes of its easing. Demand was heavy and showed all indications of staying that way. Prices, however, were unaffected and producers said there seemed to be no inclination to raise them in the immediate future.

Phthalic Anhydride — There were no price changes reported for this material during the past week, although it was said that the schedules were under consideration with some producers. The range was still quite wide, but was expected to be narrowed down if some of the producers on the low side should advance their figures. It was at one time thought that prices would be changed on September 1, but apparently they were put off for the time being. Supplies remained tight and demand continued to be heavy.

Trade Briefs

Henry Schuler, credit manager at the San Francisco office of the Hercules Powder Company, has retred after forty-one years of service. He started in a works accounting job with the predecessor of the present company.

Canadian imports of chemicals and allied products in January to May of this year were valued at $49,200,000, compared with $48,560,000 in the similar period of 1947, according to the Dominion Bureau of Statistics.

Industrial Planning & Research Corporation (Pty) Ltd. has been organized in Johannesburg, South Africa, to encourage chemical research and development. It has a large research staff to advise on problems in industrial chemistry and, in some cases, may offer financial aid to new concerns.

Metachlorobenzotrifluoride Being Produced by Hooker

Metachlorobenzotrifluoride is being produced in pilot plant quantities by the Hooker Electrochemical Company, Niagara Falls, N. Y. This new product is another member of a series of benzotrifluoride derivatives which have been previously announced, and which are of interest in the preparation of dyestuff intermediates and other fluorine containing organic chemicals.

The new chemical is described as being a clear, colorless, aromatic liquid, characterized by the trifluoromethyl radical which is generally stable to heat, light and chemical reaction. It has a distillation range of 134.8 to 138.6 degrees C, a freezing point of —56 degrees C and a specific gravity of 1.446 at 15.5 degrees C. Technical Data Sheet No. 364, which describes the product more completely, is available from the company.

Koppers Chemical Division Offers Booklet of Products

The chemical division of the Koppers Company has issued a new bulletin listing all products offered for sale by the division. New products listed this year include six new chemicals and two new thermoplastic molding powders. Copies of the bulletin can be obtained from the company by requesting Bulletin C-8-103, "Products of the Chemical Division."

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Petroleum Derivatives

Declining supplies forced up quotations on commercial propane during the week, raising this lighter fraction three-tenth cent to bring it on a par with butane prices. Elsewhere the market was firm.

Regarding supplies, liquefied petroleum gases were said to be getting shorter. Other lighter fractions remained freely available. Although aviation fuel makers were still unable to get all the toluol they needed, aromatic solvents were in reasonably good supply. Overall stocks were on the narrow side, but hardly critical, and regular customers continued to be adequately supplied.

Mild improvement was again reported for aliphatic materials. Sufficient quantities were available to contract buyers, and in some cases limited offerings were reported on the spot market. Listings of aliphatics were maintained in all areas.

Also of interest during the week were reports of heightened optimism in the industry over the fuel oil outlook for this Winter. Increased stocks and crude oil production gave substance to this view.

Solvents and Diluents

Aromatic Solvents—Sales of petroleum toluol and xylol continued in considerable volume last week. Shipments, however, were largely confined to regular accounts. Among the spot buyers who reported difficulty in locating material were aviation fuel producers who are not themselves also manufacturers of aromatics. The supply position of these solvents was short, although not yet critical. Coaltar aromatics were definitely on the narrow side.

What lies ahead was still a matter of conjecture. Many sellers believed that future availability of stocks is dependent upon the scope of the government's aviation fuel program. The regulation requiring 10 percent aromatics has already been in effect for more than two months, it was pointed out, but no concerted pressure has yet been applied by the Armed Services on producers to furnish increased quantities of toluol.

Buying interest, meanwhile, was largely unchanged, although heightened demand was expected within the next few weeks, particularly from the protective coatings industry. Some realignment of accounts was again reported during the week, as consumers, apparently former customers of coaltar producers, continued to seek tie-ups with petroleum makers. Reason for this shift in allegiance was attributed to unfavorable listings in certain areas because of the recently-adopted works formula in the coaltar industry. In other areas, where favorable differentials proved to be the case, shifts in the other direction were also reported.

Cleaners' Naphtha—Sufficient quantities of this and other aliphatics were available to regular consumers, as continued improvement of supplies was reported. Inventories were still not great enough to permit free offerings upon the spot market. Demand was steady, and prices were firm at 14c. per gallon, tanks, on the East Coast and 10⅝c. to 12c. per gallon, group 3.

Lacquer Diluent—Listings in all areas were maintained. Sellers on the East Coast quoted 16c. per gallon, tanks; group 3 producers asked 12¼c. to 13c. per gallon, tanks, and California dealers were at 14.7c. to 15.8c., tanks, ex-tax, f.o.b. various shipment points. Overall supplies were better. Some spot material was available, but only in limited quantities. Contract customers, however, were well supplied. Demand was steady, and expectations were that it would rise within the next two to four weeks.

Market Trends

Prices Advanced

Propane, commercial grade, 3.10c. per gal.

Prices Reduced

None

(For Current Prices see Page 9)

Mineral Spirits — Buying inquiry was steady, particularly from the protective coatings field. Inventories, though not heavy, were still plentiful enough to permit regular shipments to contract buyers. Spot material was scarce. Prices were stable at 14c. per gallon, tanks, East Coast; 10¼c. to 11½c. per gallon, tanks, group 3, and 14.2c. to 15.2c. per gallon, tanks, ex-tax, on the West Coast.

Rubber Solvents—The supply position was said to have risen again during the week, permitting increased offerings on the spot market. Regular buyers, of course, were still adequately supplied. Demand was steady, though not especially heavy. Price-wise, the market was without variance at 15c. per gallon, tanks, East Coast, and 11c. to 11¾c. per gallon, tanks, group 3.

Stoddard Solvent—Regular customers were still satisfied with the volume of deliveries during the week. Better supply conditions were expected within the next few weeks. Demand also was due for a rise. Prices were stable at 14c. per gallon, tanks, in the East and 11c. to 11¾c. in group 3.

V. M. & P. Naphtha—The paint trade was expected to come back into the market within the next few weeks. Sales to buyers from that quarter, though not heavy, have been steady all Summer, but a substantial increase in demand was expected shortly. Some spot material was reported. Stocks were comfortable in the main. Quotations held in all areas at 15c. per gallon, East Coast, and 11¼c. to 12c. per gallon, group 3.

Lighter Fractions

Butane — Stocks were reported to be narrowing last week, as petroleum derivatives makers began to get Winter motor fuel operations underway. On the East Coast, at least one manufacturer stated that offerings in that area were limited to a few spot cars. Prices held at 6c. per gallon, tanks, group 3.

Hexane — Similarly favorable supply conditions prevailed for this material, as prices remained firm at 13½c. to 14½c. per gallon, tanks, group 3.

Pentane—Inventories were reasonably heavy. Demand was steady, but slow. Prices held at 10½c. to 11½c. per gallon, tanks, group 3.

Propane—Increases of 3/10c. per gallon were applied last week by group 3 producers, bringing this material level with butane quotations. Commercial propane commands 6c. per gallon, tanks, group 3. Meanwhile, stocks were said to be tightening. In the East, one maker reported that offerings were limited to a few spot cars.

Miscellaneous

Crude Oil—Posted prices were firm in all fields during the week, although the payment of premiums was still common in many areas. Arrivals during the past week totaled 588,841 barrels and 13,853 tons of crude petroleum from Amuay, Saudi, Puerto La Cruz and Mashur.

Fuel Oil — President Truman to the contrary, optimism is growing in trade circles about the outlook of the fuel situation this Winter. Among other things, they point to increased stocks over last year in critical areas, crude production records and Department of Interior reports of improved conditions. Importations last week aggregated 420,789 barrels of fuel oil from Aruba and Curacao.

Los Angeles Petroleum Market

Demand for solvents and diluents was fair. Supplies were good. Cleaners' naphtha, 15.7c. per gallon, tankwagon, ex-tax.

Propane and butane supplies were good. Call was described as fair for the season. Prices were unchanged. Propane was quoted at 8.3c. per gallon, tankwagon, f.o.b. Wilmington, Calif. Butane was similarly named.

The paraffin wax market was steady. Supplies were adequate to meet demand. Prices were unchanged. High melting point, 140-147 ASTM, carload, loose slabs, f.o.b shipper's refinery, San Francisco Bay area, 9.3c. per pound; 146-148 ASTM, 11.7c. per pound, and 157-162 ASTM, 13.65c. per pound. Tankcar prices in the order named above were 8.95c., 11.35c. and 13.3c. per pound.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended August 21 totaled 221,736,000 barrels, according to the Bureau of Mines. Compared with the total of 221,655,000 barrels for the preceding week, this represents an increase of 81,000 barrels, comprising a decrease of 286,000 barrels in stocks of domestic crude and an increase of 367,000 barrels in stocks of foreign crude. Heavy crude-oil stocks in California, not included in the gasoline bearing stocks, totaled 7,596,000 barrels, unchanged from the previous week.

For Late Market Developments, See Page 4

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Textile and Leather Chemicals

Business in textile and leather chemicals continued light and spasmodic last week. Recent decline in corn starch was reflected in other starches and sago flour and potato starch declined fractionally. Edible and technical egg albumen were firmer and were advanced 4 and 3 cents respectively. These changes increased the price index to 375.6, compared with 382.2 last month and 332.1 a year ago. Offerings of edible egg albumen were materially reduced with holders restricting offers to small lots. Lower prices for potato starch improved consuming inquiry and a moderate volume of business was reported at the decline for prompt delivery. Weakness in sago flour was caused by the lower cost of replacements for prompt shipment. Corn dextrin and starch were in quiet demand at the recent decline in quotations.

There was no improvement in the slow demand for tanning materials last week. Tanners continued to show little interest in replacements, except for mangrove bark and wattle extract. Offerings of these materials were light which restricted business. Interest in quebracho extract and other tanning materials continued slow. Imports of tanning materials of late have been light and well below the total of a year ago.

Shoe production in July was estimated at 31,200,000 pairs, a decline of 7.7 percent from July, 1947, according to Tanners' Council. Part of this decline results from the fact there was one more working day in July, 1947, the Council stated. On a daily output basis the decline from July, 1947, was 3.3 percent. A preliminary estimate of August output is 38,000,000 pairs, compared with 38,900,000 last August. There was one more working day this past August than in the month last year. Shoe production for the first eight months will approximate 307,100,000 pairs, or 1.5 percent more than in the like period of 1947 when production amounted to 302,600,000 pairs.

Market Trends

Prices Advanced

Egg albumen, edible, 4c. per lb.
tech., 3c. per lb.
Sodium acetate, anhyd., ½c. per lb.
NF VIII, ½c. per lb.
Diacetate, 33-35% acid, 1c. per lb.
Anhyd., 1c. per lb.

Prices Reduced

Potato starch, ¼c. per lb.
Sago flour, ½c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
375.6	373.1	382.2	332.1

(For Current Prices see Page 9)

Chemicals

Aluminum Acetate—Demand was confined to delivery against former orders. Market continued steady and limited stocks were maintained at current levels.

Bichromates — Market remained firm under a steady demand against contracts. Production was sold up and moved readily against contracts. Inquiry for export was reported fairly active. Quotations were unchanged and well held.

Sodium Acetate — Conditions in this market continued on a steady basis. Supplies were reported light. Prices were increased ½c. per pound, effective September 1. Anhydrous was raised to 10c. to 11½c. per pound drums works and N.F. VIII to 8c. to 9c. barrels, works, as to quantity.

Sodium Diacetate — Prices were advanced 1c. per pound effective September 1. Anhydrous was quoted at 14c. to 15½c., drums, works and 33-35 percent acidity, 11½c. to 12½c. barrels, works as to quantity.

Sodium Hydrosulphite — Demand was confined to delivery on previous orders. Inquiry for forward requirements showed some improvement.

Sizing Materials

Albumin Blood — Active demand absorbed the bulk of production against former orders. New business was moderate mainly for immediate requirements. Quotations were steady and unchanged.

Corn Dextrin—Demand was active, for delivery on previous orders. Production was sold up with deliveries several weeks behind schedule. New business was light. Prices were maintained at the recent decline.

Corn Starch—Consuming demand continued light and spotty, as consumers continued to purchase in a hand to mouth manner. Supplies were plentiful and were maintained at the recent decline. Visible under the 1948 corn price support program, the Department of Agriculture announced. States to be covered by the loan program will include: Colorado, Delaware, Illinois, Indiana, Iowa, Kansas, Kentucky, Maryland, Michigan, Minnesota, Missouri, Nebraska, New Jersey, New corn supply continued to decrease, and was reduced 130,000 bushels to 1,104,000 bushels for the week ended August 28, compared with 8,304,000 bushels for the same time last year, it was reported by the Chicago Board of Trade. All counties in 23 States will be eligible for loans York, North Dakota, Ohio, Pennsylvania, South Dakota, Tennessee, Virginia, West Virginia, Wisconsin and Wyoming.

Egg Albumen — Limited supplies of edible kept this market firm and offerings were restricted to small lots at prices ranging from $2.75 to $2.80 per pound, depending upon seller and quantity. Offers of carlots were reported withdrawn. Trading was light and spasmodic. Technical was inactive and quoted nominally at $1.48 to $1.55 per pound, according to quantity. Dried egg production in July totaled 9,047,000 pounds only slightly less than the July, 1947 production. Output consisted of 8,397,000 pounds of whole egg, 275,000 pounds of dried albumen and 375,000 pounds of dried yolk. Of the whole dried egg production, 1,005,000 pounds were dried from frozen egg. Production of dried egg during the first seven months of 1948 totaled 30,244,000 pounds, compared with 83,335,000 pounds during the same period last year. Production of liquid egg during July totaled 48,834,000 pounds. This total is 12 percent below the July, 1947 production of 55,451,000 pounds. Of the total liquid egg produced 30,202,000 pounds were used for drying, 17,681,000 pounds were frozen and 951,000 pounds used for immediate consumption. The frozen egg production of 17,681,000 pounds in July was 22 percent lower than July last year. Production from January through July totaled 330,248,000 pounds compared with 335,088,000 pounds during the same period last year. Storage holdings of frozen eggs on August 1 totaled 257,905,000 pounds compared with 241,573,000 pounds on August 1 last year and 298,014,000 pounds, the August, 1943-47 average.

Egg Yolk—Consuming inquiry was lacking and the market was dull and easy. Offers from China also depressed the market. Offers were quite liberal. Prices were unchanged and nominal at 91c. to $1.00 per pound, as to quantity. Production of yolk totaled 375,000 pounds in July, against 350,000 pounds for the same time last year.

CCC purchased 600,585 pounds of dried eggs, September 1 under the price support program. CCC paid $1.26 to $1.28 per pound, depending upon container. Total purchases for the past seventeen weeks were 23,943,000 pounds of dried eggs, equivalent to 2,344,000 cases of shell eggs.

Potato Starch—This market was easier and declined about ¼c. per pound for carlots while smaller quantities were unchanged. Trading improved at the lower level, though business continued spasmodic. Plants in Maine and Idaho were reported shut down. Carlots were quoted at 7.20c. per pound, New York delivery, and lesser quantities were held at 8¼c. to 8½c. per pound, on the spot, as to quantity. Lack of dollars continued to affect the export business.

Sago Flour—Lower offers for shipment weakened this market. Shipments were quoted at 7¾c. to 7⅞c. per pound, ex-dock for prompt delivery. Supplies on the spot were easier and available at 8½c. per pound. Demand was inactive.

Tapioca Flour—Trading continued slow for spot delivery and for shipment from Brazil. Market remained steady for the better grades, while low and mediums were easy. High grades were quoted at 10c. to 10¼c. per pound, on the spot; mediums, 9c. to 9¼c., and low at 8⅛c. to 8½c., as to quantity.

Tanning Materials

Chestnut Extract — Consuming inquiry continued slow. Offers were quite liberal, with sellers holding at former quotations.

Mangrove Bark — Buying interest was

For Late Market Developments, See Page 4

moderate, but with offers scarce, business was reported slow. Supplies of exportable sizes at primary centers were practically nil, and recent business took place in old crop material. Quotations were more or less nominal for 38 percent at $66 per ton, exdock. Imports totaled 4,045 bags at Atlantic ports last week.

Myrobalans — This market continued dull and featureless. Offers from primary markets were liberal and attracted little, if any consuming interest. Quotations were unchanged and entirely nominal.

Quebracho Extract—Tanners continued to restrict inquiry to moderate quantities for immediate shipment and were reported working on sizable inventories. Reports from the Argentine stated that the bulk of recent business for quebracho was confined to shipment to European countries under trade agreements. Demand in the domestic market in the Argentine was hampered by the shortage of bagging material, but this was not expected to affect the export trade. Arrivals totaled 1,000 bags at New York last week for delivery on prior contracts.

Valonia—Lack of demand continued to affect trading in this commodity. Offers for shipment were liberal at current quotations, with tanners showing practically no interest in replacements. Imports of valonia were reported at 6,140 bags at New York last week.

Wattle—Business was reported slow. Offers for shipment of bark and extract were light and were well held at former quotations. Arrivals of bark were reported at 850 bales and 8,195 bags of extract at New York last week.

Amer. Polymer Develops New Latex Thickener

The American Polymer Corporation, Peabody, Mass., has developed a synthetic, non-creaming thickener for natural and synthetic latex. Known as "Polyco 296," the product is based upon acrylate copolymers and, according to the company, can be diluted with hot or cold water to provide higher viscosities at lower concentrations than most commercial thickeners.

The firm declares that it is not subjected to rotting, souring and mildewing, will not support bacteria growth, is non-oxidizing, non-yellowing, stable in the presence of heat, and resists fats, oils, greases and aliphatic solvents.

"POLYCO 296" is recommended as an additive to thicken latices and resin emulsions for textile printing, pastes and sizes; in the manufacture of lubricating greases, dipping, saturating and coating operations; as a flexible film former to render paper, leather and plastic films acid and oil resistant, and as a protective colloid for many types of emulsions and dispersions.

Additional uses are covered in a new data sheet, P-6 available upon request to American Polymer Corporation, 101 Foster street, Peabody, Mass.

Kearney Gets New Post

John P. Kearney has been appointed sales manager of the industrial and electronics division of the Kimble Glass division of the Owens-Illinois Glass Company, Toledo, Ohio.

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Drugs and Fine Chemicals

Price movements in this market were both up and down last week. Silver nitrate advanced ¾ cents per ounce. Bismuth subcarbonate was increased 20 cents per pound; the subgallate 30 cents; and both the subnitrate and subsalicylate moved upward 15 cents per pound. Prices on tartaric acid dropped 4 cents per pound, while cream of tartar was reduced 3 cents. Quotations on furfural were lowered on drum carlot shipments by 1 cent per pound, while the less than carlot drum quantities were reduced by 1½ cents. The net effect of these price movements was to lower the index by 0.2 point.

Demand for citric acid remained strong, with ample supplies from current production to meet the demand. Glycerin supply held a rather close balance with demand, and all nearby crudes were apparently bought. Alcohol remained in the same acutely competitive position that had characterized the market in recent weeks. Prices were held unchanged from recent levels but were reported to be shaded somewhat in certain quarters. Trading in bismuth salts continued at a very low volume. Quinine and its salts were moving at a slow pace. Caffeine was stable, both with respect to demand and price.

The milk powder market was irregular and spotty, with trading limited essentially to immediate needs. The castor oil market was quiet. Codliver oil remained generally short by reason of the small crop during the season just past, while world demand was at a peak. The mercurials were in abundant supply in a very quiet market. Trading was light and not expected to strengthen in the immediate future.

Methyl salicylate, salol, and the other salicylates were in moderately good supply and moving under a firm price structure. Milk sugar was in abundant supply. It was in steady demand for the manufacture of baby foods, as a binder ingredient in tablet compression, and for the feeding of the molds producing penicillin. Prices were firm, and the USP material was quoted at former OPA levels.

Rochelle salt and tartar emetic were unaffected by the price movements in tartaric acid. Saccharin, still in strong demand from the tobacco and other industries, was unchanged from a price point of view, while supplies were described as adequate. Silver nitrate which has been recently subject to numerous fractional variations in price had advanced ¾c. per ounce.

Sulpha drugs continued to move in steady volume with prices unchanged. Penicillin and streptomycin continued to move in substantial volume, with penicillin in quite ample supply while streptomycin was short of the overall demand. Acetophenetidin had reportedly eased somewhat from its former tight supply position.

Acetanilide — This material moved slowly in a market in which demand over recent months has been steadily decreased. Ample stocks were on hand under a manufacturing schedule of progressively lesser quantities. Prices, meanwhile were firm in the range of 40 to 50c. per pound between the quotations of various producers. The feeling was expressed in most quarters that the currently weak position of the market would remain unchanged in the coming months.

Acetophenetidin—On a freight equalized basis, price quotations held firmly to levels of $1.10 to $1.20 per pound in barrels. The market continued strong under a sustained good level of demand, while the supply situation was currently somewhat easier than in recent weeks. This easier supply position, however, could not be considered as free or likely to become so in the immediate future.

Acid, Acetylsalicylic—The aspirin market continued at its usual moderately slow rate which has been characteristic of the product during the Summer months. Production was ample to meet all consuming demands with stocks being maintained at moderately high levels. No change in the market position of this item was expected to develop in the immediate future.

Acid, Benzoic—This item continued to be quoted under a firm price structure unchanged for several months. Supplies were generally described as adequate to meet the consuming demand, and no change was looked for in the immediate future as stability was the feature of this market.

Market Trends

Prices Advanced

Bismuth subcarbonate, 20c. per lb.
Subgallate, 30c. per lb.
Subnitrate, 15c. per lb.
Subsalicylate, 15c. per lb.
Silver nitrate, ¾c. per oz.

Prices Reduced

Acid, tartaric, 4c. per lb.
Cream of tartar, 3c. per lb.
Furfural, dms., e.l., 1c. per lb.
l.c.l., 1½c. per lb.
Milk powder, whole, roller, 2½c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
259.1	259.3	259.8	252.2

(For Current Prices see Page 9)

Acid Citric—This material continued to move in heavy volume during the Summer months. The higher level of quotations which became effective in July as a result of accumulated raw material and manufacturing costs, were apparently no deterrent to the sustained pressure of demand. Ample quantities, however, were being produced to keep up with the increasing demand, and shipments were going forward promptly. Most sources were moving material at a rate which did not allow inventory accumulation.

Acid, Tartaric—The price quotations on domestic production of this material dropped 4c. per pound last week under pressure of imported competition which had been quoted at levels substantially lower than domestic material. The new price schedule stood at 37½c. per pound in 10,000 pound lots, 38c. in smaller shipments in barrels, and 39c. in kegs. Supplies were generally abundant and while the volume of business was steady the overall demand was generally tapering off from year to year.

Argols—Arrivals from Naples at New York last week totaled 1,289 bags. Demand was generally not too strong because of the relatively quiet position of the market in tartaric acid and tartrates which were dropped in price last week by 4c. on the acid and 3c. on cream of tartar.

Alcohol—The Alcohol Tax Unit, Bureau of Internal Revenue, Treasury Department, on August 30 released data on the supply, production, withdrawals, and stocks of ethyl, completely denatured and specially denatured alcohol during the month of July, 1948, in comparison with July of 1947:—

Production

	Proof gallons	
	1948	1947
Ethyl	25,884,123	29,652,296
Completely denatured	1,143,815	3,216,241
Specially denatured	11,390,090	11,356,959

Withdrawals

	Wine gallons	
	1948	1947
†Ethyl, tax paid	3,024,213	2,767,507
tax free	22,859,910	26,804,789
*Completely denatured	1,100,302	3,185,289
*Specially denatured	11,391,635	11,879,382

Stocks

	Gallons	
	1948	1947
†Ethyl	38,487,092	27,764,004
Completely denatured	267,448	132,403
*Specially denatured	842,198	1,387,069

* Wine gallons.
† Proof gallons.

According to the Alcohol Tax Unit, materials used in industrial alcohol plants in July of 1948 and 1947, were as follows:—

	Pounds	
	1948	1947
Corn and corn products	410,175	26,326,464
Rye and rye products	.....	.....
Malt and malt products	2,196,794	2,679,350
Wheat and wheat products	791	73,440
Sorghum grain and sorghum grain products	5,053,325	4,615,825
Other grain	.....	.....
Total grain	7,661,085	33,695,079
Potatoes and potato products	93,724,296	215,500
Other materials	797,929	148,462
	Wine gallons	
Molasses	10,830,160	14,154,442
Ethyl sulphate	10,235,043	9,299,047
Sulphite liquors	19,865,600	11,965,200
Potato products	.....	.....
Wood sugar liquors	.....	.....
Other materials	1,446,707	3,113,136
	Proof gallons	
Products used in redistillation	1,473,390	1,465,462

The market situation on alcohol continued to be one that was acutely competitive as a result of the slow movement of material in recent months. The overall volume of business continued to be considerably off from former levels, and although business was expected in most quarters to pick up in the Fall, there were no indications of any marked trend in that direction at the present date.

Prices currently held to their new low levels of recent date in which the price had been cut under pressure of competition to a level that was out of propor-

For Late Market Developments, See Page 4

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tion to the slightly lower raw material costs. There was some speculation as to the probable effect of additional large volume production from a new plant in Texas which will make ethyl alcohol synthetically from petroleum and was scheduled to come on the market in about a month. It was thought in some quarters that this might tend to retard somewhat the recovery of the fermentation alcohol business. Rumors persisted of price shading in some quarters to as much as 5c. per gallon under current schedules.

Bismuth and Salts—Most bismuth subsalts advanced in price last week. The subcarbonate moved upward 20 cents per pound to $2.80. The subgallate was quoted at a new level of $2.75, an increase of 30 cents per pound. The subnitrate and subsalicylate were advanced 15 cents per pound, the new quotations being $2.30 and $3.20 respectively.

Caffeine—This material was available in ample quantities under a continuing firm price structure. There were price reductions reported on the British market, but no indications of any such price movements domestically.

Castor Oil—This material was still a very quiet item, with trading limited to immediate needs only. Supplies, meanwhile were reported as abundant.

Arrivals of beans last week totaled 23,775 bags equivalent to 3,566,250 pounds, compared with 9,229 bags or 1,384,350 pounds the previous week and 10,961 bags or 1,644,150 pounds for the corresponding week one year ago.

Total arrivals since January 1 of this year amounted to 869,801 bags equivalent to 130,568,150 pounds, compared with 960,512 bags or 144,076,800 pounds during the corresponding period of last year.

Codliver Oil—The market position of this item was one of generally short supplies because of the short crop last season. Prices were being maintained at former levels in most quarters, and it was anticipated that the next season's crop would be substantially greater than the season just passed. Imports last week totaled only 40 drums from Copenhagen.

Last year the output was very high, with the Norway production reported to be around 10,000 tons. However the season just past saw the Norway production drop to around half that figure.

Cream of Tartar—Quotations of domestic production on this item dropped 3c. per pound last week under pressure of competitive import material. The new price schedules on domestic cream of tartar were quoted at 32½c. per pound in lots of 5,000 pounds or more, with smaller lots ranging from 33c. to 34c. per pound. Imported material was currently quoted at 22c. to 22½c. per pound ex bond which with the 5c. duty added brought the spot New York price levels to 27c. to 27½c. per pound.

Dicalcium Phosphate—This material moved in steady volume under a normal even demand. Supplies were reported as

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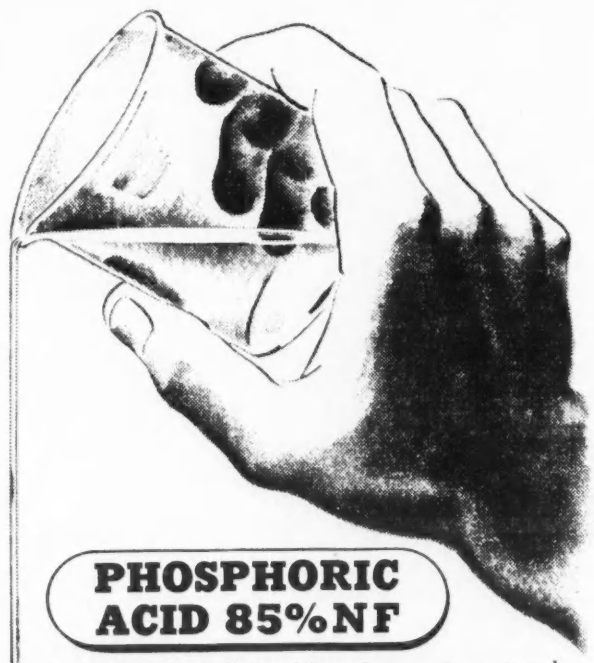

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quite ample to meet all demands, and prices held firmly to previous levels.

Furfural—This item was reduced in price effective September 1 in drum quantities only. Drum carlots dropped 1 cent per pound and less than carlot drum quantities 1½ cents; tankcar shipments remained unchanged. It should be noted that there has been no price increase in furfural in prive years.

Glycerin—The glycerin market was currently in a position where all nearby available crude was bought up and additional quantities were becoming a problem. Meanwhile, the expanding production of refined grades was apparently keeping pace with increasing demand, so that there was still maintained a reasonably good balance between supply and demand. No glycerin consumer had as yet been unable to get the amount of glycerin wanted because if one refiner was not in a position to make shipment, another of the refiners could do so. The balance of supply and demand was somewhat delicate in that any marked sudden demand on the industry would be apt to throw it in a tight market position. Prices were firm and expected to remain so.

It was expected that if synthetic glycerin gets into the picture by the middle of September or the first of October in a smooth running flow of quantity shipments, this might ease the natural glycerin picture somewhat, but the overall picture for the balance of this year would not be much helped since the total output would still be very considerably under the annual output last year. July production of refined grades stood at 10,591,000 pounds, compared to the May output of 17,822,000 pounds.

Mercurials—The supply position of the various mercurial pharmaceuticals were abundant. Calomel moved somewhat more steadily than most of the others under a firm price structure in which 50 pound drums were quoted at $1.82 per pound. Corrosive Sublimate moved mostly into industrial channels with 50 pound drums quoted at $1.53 per pound. The demand for the N. F. grade of red precipitate was off from former levels of some months ago. The technical mermuric oxide moved in better demand because of its industrial use in marine paints. Meanwhile demand for the yellow oxide, particularly for use in opthalmic ointments, remained at a steady level under a firm price structure.

dl-Methionine—The price schedule of this material as published in the August 30 issue was in error in that the price in lots of 50 pounds or more for domestic consumers should have been reported as $8.40 per pound. Quantities of 1,000 pounds were quoted at $8.25, and small lots under 50 pounds were priced at $10 per pound.

Methyl Salicylate—The market position of this material was described as good from an availabillty standpoint, with moderate quantities moving steadily into consuming markets. Prices were firm and unchanged.

Milk Powder — The markets for the various grades of milk powder were irregular in a situation in which there was reported some increased buying interest, but in which orders were still confined essentially to current needs. New York prices on spray process skimmed milk held to former levels of 17¼c. to 18½c. per pound, while quotations on roller process skimmed milk powder ranged from 15c. to 17c. per pound. The 26 percent grade of whole milk, spray process material showed New York asking prices in the range of 44c. to 46½c., with the 28 percent grade at 46¼c. to 48¾c. Asking prices on l.c.l. quantities of roller process whole milk powder were in the range of 41c. to 43c., off some 2½c. from levels of some weeks ago.

Milk Sugar—Production of this material was ample to meet all demands. American producers were reported to have abundant stocks. There was a steady demand from the food industry for the manufacture of baby foods, from the pharmaceutical industry for use as a binding ingredient for the manufacture of tablets, and as an extender for monosodiumglutamate. Crude milk sugar was being used in large volume for the feeding of mold penicillin producing organisms, where its use was said to result in higher penicillin yields per volume of culture. Export demand continued to maintain a low level due primarily to dollar shortages abroad,

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and to production having been resumed in Holland and in the Pacific areas of New Zealand and Australia. World production of milk sugar was essentially limited to the United States, Holland, and New Zealand and Australia.

Prices were holding firm at levels of 24c. per pound in 30,000 pound lots for the edible grade, 24¾c. for ton lots and 25¼c. for less than ton lots. The U.S.P. grade was still quoted at 26c. per pound in 30,000 pound lots, 26¾c. in ton lots, and 27¼c. in less than ton lots. These prices on U.S.P. material were at the old O.P.A. price level and have held there except for one exception in the first half of 1946.

Rochelle Salt—Demand for this material continued in its usual low but steady pace. Prices were firmly maintained, and as yet the product had not become affected by the recent drop in the price of tartaric acid.

Saccharin—The demand for this item, particularly from the tobacco industry was well maintained. Supplies were reported as generally adequate to meet all calls, and prices were unchanged from levels prevailing over recent months.

Salol—This material was in good supply under a quiet but steady demand. Prices were unchanged and expected to remain stable for the immediate future, at least.

Silver Nitrate—The price structure of this material has been fluctuating in recent weeks almost daily, but the fluctuations are fractional and the currently quoted price of 47¾c. per ounce in lots of 2,500 ounces seems to be the average outcome of these fluctuations. Supplies, meanwhile are reported as adequate to meet all demands, and the only changes likely to occur in the immediate future were moderate fluctuations in price as a result of price movements in silver bullion.

Sodium Benzoate — This material was currently in a relatively good supply position, and material was reported to be moving steadily in good volume with demand holding to normal Summer levels.

Sulphanilamide — This drug was in abundant supply and continued to move in good volume against a steady demand. Prices were holding firm to levels prevailing over recent months, and no further change was expected in the near future.

Tartar Emetic — This material was abundantly available under a quiet steady demand. Prices were reported as firm and so far not affected by the recent drop in the price structure of tartaric acid.

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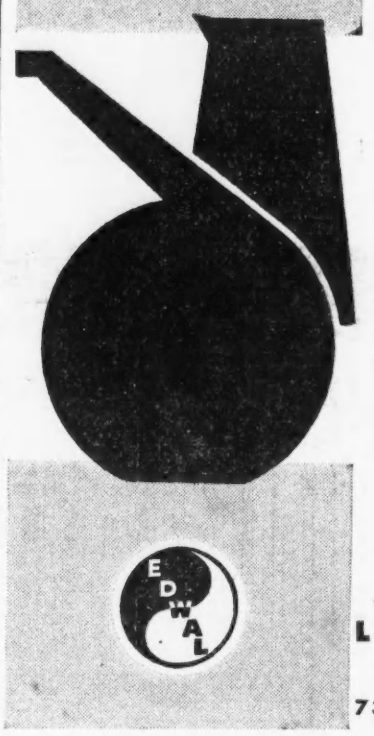

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Sharkliver Oil Quality Tests Reported in Brazil

Supporting evidence of the large yield of high-grade oil obtainable from sharklivers is contained in the results of experiments conducted at the academy of chemical industry at Parana, Brazil. These results, recorded in the first issue of the academy's quarterly publication, show the oil was found to be particularly rich in vitamin A, about ten times as much as is found in the average codliver oil, and its content of vitamin D was nearly equal to that of the cod product.

Merck Plans New St. Louis Office

New office and warehouse facilities for the company's St. Louis, Mo., branch were announced this week by Merck & Co., manufacturing chemists, Rahway, N. J. Plans call for a one-story warehouse, a main office, two smaller storage buildings, and a garage. The five new buildings will be erected on a recently-purchased tract of land at Oleatha and Maury avenues, St. Louis.

Joins Chas. Pfizer

Dr. Karl J. Bruning has resigned as associate professor in the chemistry department of Johns Hopkins University to accept a position in the research department of Chas. Pfizer & Co., manufacturing chemists, Brooklyn, N. Y.

Obituaries

—*Continued from page 4*

dried egg white yolk. He had been with the department since 1923.

William R. Huey

William R. Huey, general traffic manager of the Bemis Bro. Bag Company, St. Louis, died recently at his home in Evanston, Ill., following a long illness. He was sixty-nine years old. Mr. Huey joined Bemis in 1918 at St. Louis and was in charge of traffic there until his appointment as general traffic manager at Chicago in 1934.

Robert S. Perry, jr.

Robert S. Perry, jr., assistant sales manager of the Titanium Pigment Corporation, a subsidiary of National Lead Company, New York, died on August 27 while on a business trip to Philadelphia. He was fifty years old.

Mr. Perry joined Titanium Pigment Company (which became Titanium Pigment Corporation in 1935) in 1928, serving as a salesman in the mid-west. He came to the New York office in 1940, when he assumed the title he held at the time of his death.

Chandler Rhodes

Chandler Rhodes, associated in a sales capacity with the Buffalo, N. Y., office of National Lead Company, New York, died in Niagara Falls on August 26. He was seventy-nine years old. Mr. Rhodes had been with the company for forty years until his retirement in 1939.

Louis J. Zollinger

Louis J. Zollinger, founder, in 1937, and president of Tombarel Products Corporation, essential oils and aromatic chemicals, New York, died August 28 of a heart ailment. He was sixty-four years old.

Mr. Zollinger, who spent practically his entire business life in the toilet goods and pharmaceutical trade, was for five years vice-president of Albert Verley & Co. in charge of the New York office before forming his own firm. Before that he was with George Silver Importing Company, Richard Hudnut Company, and Owl Drug Company.

Besides his widow, Mrs. Hazel Morrey Zollinger, survivors are three daughters: Mrs. F. E. Tucker, Mrs. W. A. Ruthzen, and Mrs. William S. Fairhurst, whose husband has been with the Tombarel firm for about ten years.

Lucius A. Chapin, controller of the American Smelting & Refining Company, New York, from 1924 to 1928, died in New York on September 2. He was eighty-one years old. Until his retirement he had been associated with the metals firm for twenty-seven years.

Mrs. Bernadine deTuvache Angus, president of the Tuvache Company, perfume manufacturer, New York, died on August 29 at Polyclinic hospital, New York. She was forty-eight years old.

Harry B. Fletcher, a lubrication engineer for the Sinclair Refining Company, New York, died in Plainfield, N. J., on August 28. He was fifty years old.

Albert Newcombe, retired vice-president of the Perkins-Goodwin Company, pulp and paper producer, New York, died in Calais, Me., on September 1. He was sixty-nine years old.

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Sindar Corp. Appoints McKeefery to Sales Post

The Sindar Corporation, New York, has added to its sales staff R. J. McKeefery, who will handle sales of industrial aromatics, antiseptics, germicides, mildewcides, preservatives, stabilizers and other products in New York, New Jersey, Connecticut, Rhode Island and Vermont. Mr. McKeefery has been with Sindar's associate company, Givaudan-Delawanna, Inc. since 1946, engaged in technical service. Prior to that he was with OIL, PAINT AND DRUG REPORTER.

Italian Trade in Chemicals

Italian foreign trade in chemicals, oils, and related materials during the first half of 1948 encompassed the following transactions:—

Imports

	Kilos.
Bituminous solids and residue	5.905.400
Colors, lakes, varnishes	723.300
Fats and oils, animal	7.374.700
vegetable	13.345.000
Gas oil	24.113.000
Gasoline	30.540.000
Gums, resins, balsams, natural	7.866.900
Lubricating oil	26.283.700
Mineral phosphates	349.243.000
Mineral spirits	308.400
Molasses	3.323.200
Nitrogenous chemical fertilizers	702.000
Oil-bearing fruit	9.450.600
seeds	12.191.800
Oil cake and meal	2.747.100
Olive oil, edible	1.999.200
Paraffine and petroleum jelly	3.693.500
Petroleum oil, crude	756.090.200
Petroleum	9.726.600
Pharmaceutical products and other medicinal specialties	213.100
Residue of mineral oil distillation	472.402.400
Seeds, not oil-bearing	1.430.400
Sodium nitrate, crude	18.678.000
Starch, yeast, pectine	6.667.300
Tar oils and derivatives	18.040.300

Exports

	Kilos.
Colors, lakes, varnishes	663.900
Essential oils, essences and terpenes of essential oils	356.105
Mercury	405.200
Olive oil, edible	7.192.400
Sulphur, crude and processed	70.955.200
Tartaric acid	468.100

Ciba Names Brownlee Aid To Domestic Sales Head

Joseph Brownlee has been appointed assistant to the domestic sales manager of Ciba Pharmaceutical Products, Inc., Summit, N. J. He was formerly supervisor of the order department for the company. Mr. Brownlee has been with Ciba for two years.

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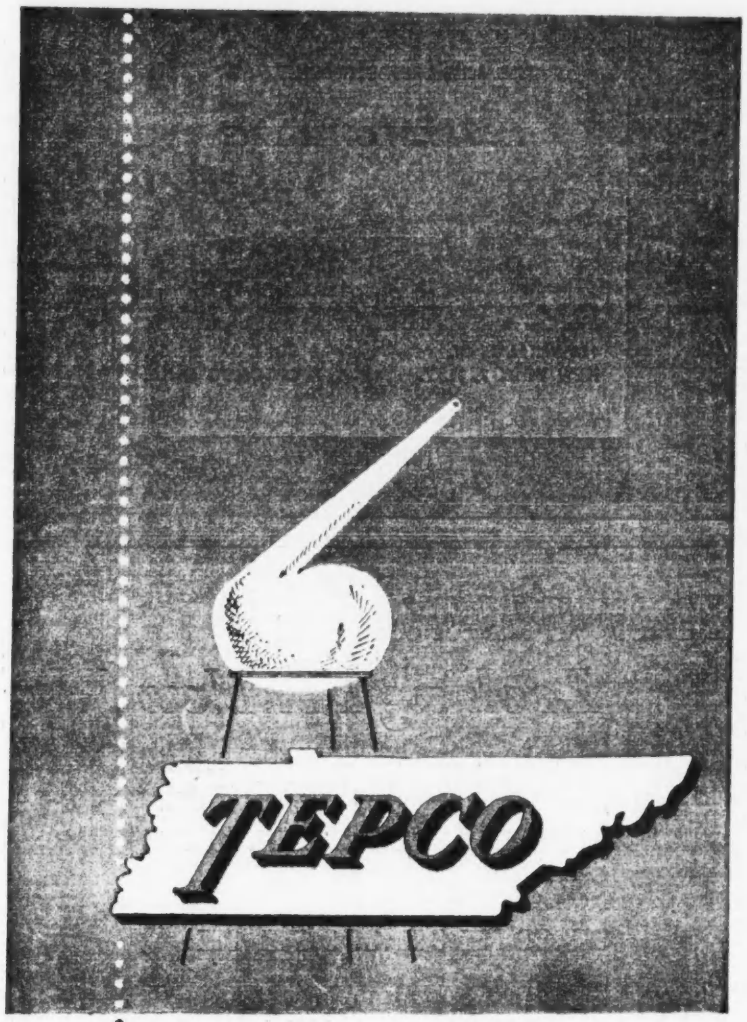

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ACONITE ROOT—24 bgs, Meer Corp, Exchequer, Genoa

ALMOND OIL—10 dms, Fritzsche Bros, Mount Davis, Genoa

ANISE—83 bgs, S B Penick & Co, Exceller, Malaga

ANISEED STAR—200 bls, Otto Gerdau & Co, Cape San Diego, Hongkong

ARGOLS—370 bgs, American Cream of Tartar Co, Vulcania, Naples
419 bgs, American Cream of Tartar Co, Mount Davis, Naples
500 bgs, Stauffer Chemical Co, Mount Davis, Naples

ARSENIC—66 bls, Cia Minera Asarco S A, Agwimonte, Tampico

ASBESTOS FIBER—2,640 bgs, United States Asbestos Co, Greece Victory, Beira
2,400 bgs, Thermoid Co, Greece Victory, Beira
700 bgs, Johns Manville Co, Greece Victory, Beira

BEESWAX—50 bgs, Guaranty Trust Co, Agwimonte, Tampico
85 blks, National City Bank of N Y, Exceller, Lisbon
20 bgs, Geck Trading Co, Borinquen, Trujillo City
54 bgs, Schutte & Focke, Inc, Borinquen, Trujillo City
9 bgs, Irving Trust Co, Borinquen, Trujillo City
40 bgs, Boyle Co, Mormaclark, Puerto Alegre
48 bgs, Pan Orient Trading Co, Aram J Pothier, Khoramshahr

BELLADONNA LEAVES—12 bls, Superintendence Co, Radnik, Rijeka

BLUE BALL CLAY—100 tons, United Clay Mines Corp, Gloucester City, Avonmouth

CABRIUVA OIL—1 dm, P R Dreyer & Co, Si Brodin, Santos

CANARYSEED—629 bgs, Transatlantic Commodities Corp, Exporter, Casablanca
250 bgs, H S Cramer & Co, Exporter, Casablanca

CARNAUBA WAX—55 bgs, Wax & Rosin Products Co, Mormaclark, Fortaleza
144 bgs, Wm M Allison Co, Mormaclark, Fortaleza
254 bgs, Wessel, Duval & Co, Mormaclark, Fortaleza
100 bgs, Mormaclark, Fortaleza
55 bgs, Innis, Speiden & Co, Mormaclark, Fortaleza

CASTOR BEANS—5,094 bgs, Baker Castor Oil Co, Mormacowl, Santos
5,100 bgs, Baker Castor Oil Co, Mormaclark, Recife
10,200 bgs, Baker Castor Oil Co, Loide Guatemala, Santos
6,779 bgs, Baker Castor Oil Co, Mormaclark, Cabedello
1,700 bgs, Spencer Kellogg Co, Mormaclark, Cabedello

CAUSTIC SODA—333 dms, Maine, Copenhagen
125 dms, Albrecht Chemical Co, Aardijk, Antwerp
1,250 dms, Siegel Chemical Co, Exchequer, Genoa
2,500 cyls, H K Bennett Co, Exchequer, Leghorn

CHEMICALS—3 cs, S B Penick & Co, Exchequer, Leghorn

CINNAMON QUILLS—100 bls, Ludwig Mueller Co, Exhibitor, Colombo
100 bls, Volkart Bros, Inc, Exhibitor, Colombo

CITRONELLA OIL—49 dms, Norda Essential Oil & Chemical Co, Mount Davis, Singapore
17 dms, Mount Davis, Singapore
2 dms, New York Trust Co, Talamanca, Puerto Barrios
13 dms, H A Southern Co, Talamanca, Puerto Barrios
15 dms, Givaudan Delawanna Co, Talamanca, Puerto Barrios
4 dms, La Champon Co, Greece Victory, Mombasa

COCOA RESIDUE—3,200 bgs, Maywood Chemical Works, American Producer, Hull
2,736 bls, Aardijk, Rotterdam

COCONUT OIL—499 dms, I R Boody, Inc, Cape San Diego, Hongkong

CODLIVER OIL—40 dms, Danca Import & Export Co, Maine, Copenhagen

COPAL GUM—104 bgs, W H Scheel, Inc, Mount Davis, Manila

CORIANDER SEED—1,250 bgs, H S Cramer & Co, Exporter, Casablanca

CREAM OF TARTAR—100 cks, Bank of New York, Mount Davis, Naples
90 cks, T M Duche & Sons, Inc, Exchequer, Genoa

CRESYLIC ACID—200 dms, Coaltar Chemical Co, Gloucester City, Avonmouth
518 dms, Schenectady Varnish Co, American Producer, Hull
220 dms, Media, Liverpool
95 dms, Green Bay Victory, Sydney

CUMIN SEED—715 bgs, W M Allison Co, Aram J Pothier, Khoramshahr

DAMMAR GUM—320 bgs, S Winterbourne & Co, Mount Davis, Singapore
1 cs, Catz American Co, Cape San Diego, Tandjong Priok

ESSENTIAL OIL—3 cs, Dodge & Olcott Co, Exceller, Seville
1 cs, Irving Trust Co, Exceller, Seville
2 cs, Brown Bros-Harriman Co, Cyprus, Marseilles
1 dm, Cyprus, Marseilles
1 bbl, Cyprus, Marseilles
1 cs, Cyprus, Marseilles
2 cs, Dodge & Olcott Co, American Merchant, Le Havre
90 cs, George Uhe Co, Mount Davis, Marseilles
25 pkgs, Ungerer & Co, Mount Davis, Marseilles
3 cs, Roure Dupont Co, Exchequer, Marseilles
8 dms, Roure Dupont Co, Exchequer, Marseilles

EUCALYPTUS OIL—12 dms, Orbis Products Co, Green Bay Victory, Sydney
18 dms, Green Bay Victory, Melbourne

FENUGREEK SEED—277 bgs, R J Prentiss & Co, Exporter, Casablanca
1,109 bgs, Transatlantic Commodities Corp, Exporter, Casablanca

FUEL OIL—103,000 bbls, Esso Standard Oil Co, Esso Chattanooga, Aruba
105,000 bbls, Esso Standard Oil Co, Esso Bethlehem Aruba
102,789 bbls, Gulf Oil Corp, Gulfmeadows, Curacao
7,000 bbls, Asiatic Petroleum Corp, Mormacwave, Curacao
103,000 bbls, Esso Export Corp, Hammerfest, Aruba

GERANIUM OIL—5 cs, L A Champon Co, Greece Victory, Mombasa
5 dms, Dodge & Olcott Co, Exchequer, Marseilles

GRAPHITE—500 bgs, J Dixon Crucible Co, Mount Davis, Colombo
250 bgs, Asbury Graphite Mills Co, Exhibitor, Colombo
250 bgs, J Dixon Crucible Co, Exhibitor, Colombo
8,193 tons, National Gypsum Co, Stephen Leacock, Dingwall

GYPSUM, CRUDE—200 bgs, Whittaker, Clark & Daniels, Inc, Media, Liverpool
306 bgs, L A Salomon & Bros, Media, Liverpool
10,238 tons, United States Gypsum Co, Gypsum Queen, Hantsport

KARAYA GUM—535 bgs, Stein, Hall & Co, Mount Davis, Bombay
573 bgs, Jacques Wolff & Co, Mount Davis, Bombay
133 bgs, T M Duche & Sons, Mount Davis, Bombay
373 bgs, Innis, Speiden & Co, Mount Davis, Bombay

LAVENDER OIL—5 dms, Lo Curto & Funk Co, Exchequer, Marseilles
5 dms, Ungerer & Co, Exchequer, Marseilles

LEMON OIL—10 dms, Agwimonte, Vera Cruz

LEMONGRASS OIL—11 dms, Givaudan-Delawanna, Mount Davis, Cochin
10 dms, Naugatuck Aromatics Division, Talamanca, Puerto Barrios

LIVER TANKAGE—150 bgs, Wessel, Duval & Co, Mormacowl, Porto Alegre
652 bgs, Tupman, Thurlow Co, Mormacowl, Rio Grande

LOCUST BEAN GUM—50 bgs, Stein, Hall & Co, Exporter, Larnaca
300 bgs, Bank of New York, Exceller, Alicante
100 bgs, Public National Bank & Trust Co, Media, Liverpool
100 bgs, E Meer Corp, Mount Davis, Genoa
500 bgs, Bank of N Y, Mount Davis, Genoa
50 bgs, American Cyanamid Co, Mount Davis, Genoa
60 bgs, Innis, Speiden & Co, Mount Davis, Genoa

FLOUR—100 bgs, T M Duche & Sons Co, Exchequer, Genoa

MAGNESIUM CARBONATE—25 cs, Lo Curto & Funk Co, Media, Liverpool

MANGANESE DIOXIDE—86 cks, Media, Liverpool

MANGROVE BARK—1,154 bgs, J H Brown Co, Greece Victory, Zanzibar
891 bgs, Barkey Importing Co, Greece Victory, Zanzibar

MEDICINAL HERBS—5 bls, Biddle-Sawyer Corp, Aardijk, Antwerp
16 bls, R J Prentis & Co, Raphel Semmes, Rotterdam
31 bls, Peek & Velsor, Ribeira Grande, Lisbon

MEDICINAL LEAVES—36 bls, Levy & Levis Co, Exchequer, Marseilles

MERCURY PHENATE—12 dms, Chas A Redden Co, Media, Liverpool

MICA—30 cs, Ford Radio & Mica Co, Si Brodin, Rio de Janeiro
36 cs, Cosmopolitan Trading Co, Si Brodin, Rio de Janeiro
12 cs, Ford Radio & Mica Co, Exhibitor, Madras
37 cs, Otto Gerdau Co, Si Brodin, Rio de Janeiro
100 cs, American Mica Works, Exhibitor, Madras
61 cs, Gillespie-Rogers-Pyatt Co, Exhibitor, Calcutta

MOLASSES—457,200 kilos, W R Grace & Co, Santa Barbara, Salaverry

MYROBALANS—600 bgs, River Plate Import & Export Corp, Mount Davis, Bombay
1,710 bgs, Ban Kay Import Co, Mount Davis, Bombay
1,034 bgs, Vermilye Corp, Mount Davis, Bombay

NAPHTHALENE—880 bgs, Standard Naphthalene Products Co, American Producer, Hull
968 bgs, American Cyanamid Co, American Producer, Hull
236 bgs, Guaranty Trust Co, Aardijk, Antwerp
2,819 bgs, Koppers Co, Aardijk, Rotterdam

NEATSFOOT OIL—131 dms, Tupman, Thurlow Co, Mormacowl, Santos

NIGELLASEED—35 bgs, Becker-Mayer Seed Co, Exporter, Casablanca

OITICICA OIL—243 dms, Murray Oil Products Co, Mormaclark, Fortaleza

OLIVE OIL—24 dms, John D Pollis Co, Exporter, Casablanca
41 dms, Conti Products Corp, Exporter, Casablanca
15 dms, J Alban & Co, Exporter, Casablanca
60 dms, J Henry Schroder Co, Exporter, Casablanca
245 dms, Bonoil Packing Co, Exporter, Casablanca
177 dms, Leghorn Trading Co, Exporter, Casablanca
49 dms, Olive Oil Industries, Exporter, Casablanca
97 dms, A N Cory, Inc, Exporter, Casablanca
187 dms, Strohmeyer & Arpe, Exporter, Casablanca
24 dms, Uddo Toarimina Co, Exporter, Casablanca
20 dms, Simona Bros, Inc, Exporter, Casablanca
24 dms, A Fantis Co, Exporter, Casablanca
27 dms, Brown Bros-Harriman Co, Exceller, Malaga
57 dms, Credit Suisse, Exceller, Malaga
35 dms, Pan American Trust Co, Exceller, Seville
10 dms, Irving Trust Co, Exceller, Seville
30 dms, D & A Sclafani Co, Exceller, Lisbon
15 dms, J B Palmeria Co, Exceller, Lisbon
38 dms, Joseph Victori & Co, Edwin L Drake, Lisbon
100 dms, Pan American Trust Co, Cyprus, Barcelona
100 dms, M J Sorelle Sons Co, Exchequer, Genoa

PALMAROSA OIL—1 pot, Dodge & Olcott Co, Mount Davis, Bombay

PAPAIN—43 cs, Chas L Huisking Co, Greece Victory, Tanganikya
42 cs, Chas I Huisking Co, Greece Victory, Mombasa
261 cs, National City Bank, Greece Victory, Mombasa
74 cs, Peek & Velsor, Inc, Greece Victory, Mombasa
19 cs, W E Martin Co, Greece Victory, Mombasa

PAPRIKA—341 bgs, J Weinstein Co, Exceller, Alicante
100 bgs, Morris J Golombeck Co, Exceller, Alicante
25 bgs, M A Porazzi & Co, Exceller, Alicante
200 bgs, J Raphael & Son, Exceller, Lisbon

PATCHOULI OIL—5 cs, Fritsche Bros, Mount Davis, Penang
10 cs, Felton Chemical Co, Mount Davis, Penang

PEPPER, BLACK—160 bgs, Arthur G Dunn, Cyprus, Tangier
240 bgs, Czarnikow, Ltd, Mount Davis, Cochin

WHITE—200 bgs, Levys Trading Co, Exporter, Casablanca

PETROLEUM ASPHALT—67,407 bbls, Shell Oil Co, Patella Curacao

CRUDE—120,653 bbls, Esso Standard Oil Co, Salem Maritime, Amuay
103,153 bbls, Standard Oil of N J, Esso Wheeling, Saudi
120,333 bbls, Imperial Oil Co, Ltd, Callabee, Puerto La Cruz
115,352 bbls, Tide Water Associated Oil Co, William F Humphrey, Saudi
13,853 tons, Esso Standard Oil Co, Inge Maersk, Mashur
124,340 bbls, Socony Vacuum Oil Co, Mill Spring, Puerto La Cruz
15,696 tons, Esso Standard Oil Co, Fort Lane, Fanheel

POPPYSEED—150 bgs, Aardijk, Rotterdam
207 bgs, Aram J Pothier, Khoramshahr

POTASH HYDROXIDE—50 cs, Bergstrom Trading Co, Mathilda Thorden, Gothenberg
QUICKSILVER—150 flasks, Chase National Bank, Agwimonte, Tampico
RED, IRON OXIDE—1,305 bgs, F B Vandergrift Co, Exceller, Malaga
1,067 bgs, C J Osborn Co, Exceller, Malaga
10 cks, J H Rhodes Co, Media, Liverpool
ROSEMARY LEAVES—65 bls, Exceller, Alicante
55 bls, Cyprus, Marseilles
RUTILE SAND—2,000 bgs, Bank of New South Wales, Green Bay Victory, Sydney
3,592 bgs, International Titanium Corp, Green Bay Victory, Sydney
SANDALWOOD—100 bgs, George Leuders & Co, Mount Davis, Bombay
50 bgs, Dodge & Olcott Co, Mount Davis, Bombay
SARSAPRILLA—12 bls, Agwimonte, Tampico
SCHEELITE ORE—300 bgs, J W Hampton Co, Mormaclark, Cabedello
SHARK LIVER OIL—25 dms, Vitaron Chemical Co, Stavangerfjord, Oslo
25 dms, Arista Oil Co, Stavangerfjord, Oslo
1 dm, Chase National Bank, Green Bay Victory, Sydney
9 dms, Bank of California, Green Bay Victory, Melbourne
SODIUM BICHROMATE—95 dms, S Rubinraut Corp, Lord O'Neill, Glasgow
SOLVAE OIL—3 bbls, Superintendence Co, Radnik, Rijeka
STYRAX GUM—12 cs, Ungerer & Co, Exporter, Istanbul
TAPIOCA FLOUR—2,676 bgs, Geismar Co, Mormacowl, Santos
TRAGACANTH GUM—931 bgs, E Meer Co, Aram J Pothier, Khoramshahr
382 bgs, Brown & Sites Co, Aram J Pothier, Khoramshahr
40 bgs, W M Allison Co, Aram J Pothier, Khoramshahr
124 bgs, Altuchs Co, Aram J Pothier, Khoramshahr
16 cs, Dadourian Export Corp, Aram J Pothier, Khoramshahr
67 bgs, Rohner Gehrig Co, Aram J Pothier, Khoramshahr
42 cs, E J Khedouri Co, Aram J Pothier, Khoramshahr
42 cs, Emad Achtiane, Aram J Pothier, Khoramshahr
71 cs, S B Penick & Co, Aram J Pothier, Khoramshahr
TURMERIC—400 bgs, Otto Gerdau Co, Exhibitor, Madras
40 bgs, K Lanes, Inc, Exhibitor, Madras
VALONIA—6,146 bgs, Exporter, Kylindria
VANILLA BEANS—40 cs, F Hubert & Co, Agwimonte, Vera Cruz
47 cs, McCormick & Co, Agwimonte, Vera Cruz
89 cs, J Manheimer Co, Overland, Mexico
WATTLE BARK—850 bls, Barkey Importing Co, Mormaclark, Puerto Alegre
EXTRACT—651 bgs, M S Kaltenhorn, Greece Victory, Durban
852 bgs, Olson Sales Agency, Greece Victory, Durban
1,982 bgs, River Plate Import & Export Co, Greece Victory, Durban
775 bgs, Littlejohn & Co, Greece Victory, Durban
3,736 bgs, Barkey Importing Co, Greece Victory, Mombasa
WOLFRAM ORE—200 bgs, Union Bank of Australia, Green Bay Victory, Melbourne
YACCA GUM—160 bgs, Gillespie, Rogers & Pyatt Co, Green Bay Victory, Adelaide
YLANG YLANG OIL—1 dm, Dodge & Olcott Co, Echequer, Marseilles
ZIRCON SAND—1,589 bgs, Bank of New South Wales, Green Bay Victory, Sydney

Baltimore

OLIVE OIL—150 dms, Pompeian Olive Oil Co, Exceller, Casablanca

Philadelphia

BONE MEAL—765 bgs, Philadelphia National Bank, Coracero, Buenos Aires
CANARYSEED—264 bgs, Philadelphia Seed Co, Exporter, Casablanca
CHROME ORE—1,524 tons, William M Muller & Co, Edwin L Drake, Feilbye
7,016 tons, E J Lavino Co, Greece Victory, Beira
FUEL OIL—72,000 bbls, Esso Export Corp, Niobe, Aruba
MANGROVE BARK—1,000 bgs, Bingham & Co, Greece Victory, Zanzibar
MOLASSES—643,963 gls, American Trading Co, Paco, Safua La Grande
125,766 gls, American Trading Co, Paco, Matanzas
NEATSFOOT OIL—108 cks, E J Lang Co, Coracero, Buenos Aires
OLIVE OIL—50 dms, Central Hanover Bank, Exceller, Malaga
50 dms, Central Hanover Bank, Exceller, Seville
QUEBRACHO EXTRACT—1,000 bgs, Imex Corp, Coracero, Buenos Aires
RED, IRON OXIDE—1,000 bgs, Mineral Pigments Corp, Exceller, Malaga

San Francisco

BONE MEAL—1,100 bgs, Willitts & Co, China Transport, Taku Bar
1,000 bgs, Antwerp, La Plata
CHALK—400 bgs, Antwerp, La Plata
CINNAMON QUILLS—100 bls, Marine Snapper, Colombo
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500 tons, El Dorado Oil Works, Williamette Victory, Cebu
300 tons, El Dorado Oil Works, China Victory, Mindoro
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EGG ALBUMEN YOLK—39 cs, Public National Bank & Trust Co, China Transport, Taku Bar
OLIVE OIL—50 dms, Parodi Erminio Co, Marine Snapper, Genoa
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PEPPER, WHITE—75 bgs, Internatio Rotterdam, Hoegh Merchant, Singapore
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Chicago Cosmetic Chemists Plan Meeting September 14

The newly organized Chicago section of the Society of Cosmetic Chemists will hold its first regular dinner meeting at the Electric Club on September 14 at 6:30 p.m. Principal speaker will be M. G. deNavarre, author of "The Chemistry and Manufacture of Cosmetics," and technical editor of the "American Perfumer."

Hong Kong Drugs and Essential Oil Exports to U.S.; Jan.-June

Declared exports of drugs and medicinals and essential oils and perfume materials from Hong Kong to the United States during the first six months of 1948 included the following:—

	Pounds	Value
Aniseed	23.470	14.861
Camphor	57.744	16.066
Cassia	18.900	26.549
Citronella	34.661	39.179
Galangal root	85.275	2.258
Geraniol	360	594
Ginseng	16	2.503
Gum benzoin	1.003	3.861
Ho oil	2.348	2.666
Musk	74	10.483
Psyllium husks	166.995	10.170
Rhubarb	7.840	2.563
Safrol	2.540	668
Sandalwood	105	219
Senna	42.560	7.814

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The Schmitz-Schoenewaldt-Turner Corporation has been organized in New York to operate strictly on a brokerage basis, serving the pharmaceutical and industrial chemical industries and allied fields. Offices are at 20 Vesey street and the telephone number is WOrth 4-0120.

The firm was formed by Fred Schmitz and A. C. Schoenewaldt, both formerly vice-presidents of the George Uhe Company, New York, and George H. Turner and A. C. Schoenewaldt, jr., formerly of Uhe's chemical department.

Bjorksten Gets Space in Madison

Bjorksten Research Laboratories, Chicago, has leased an entire floor in the business center of Madison, Wis., which will be remodeled and used as an additional research laboratory.

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Essential Oils, Other Aromatics

Though the downward pressure on prices was less, it still prevailed sufficiently to depress the market index 0.7 point to set it at 113.9 as the result of lower quotations on clove and peppermint oils. A year ago, it stood at 153.8 in the midst of a downward trend.

Crop expectations at last influenced the position of peppermint oil but at the decline, quotations reached a level reported to be in line with what larger consumers trading direct with producers had paid in new crop contracts. Therefore, the feeling was that the market was unlikely to go much lower. Spearmint, on the other hand, seemed to be steadier if not actually firmer following the late decline in quotations.

Competition existed in clove oil and when the product of Madagascar buds was lowered, it was significant that oil made from Zanzibar buds held unchanged, possibly for the reason that growers in Zanzibar have stopped offering goods for sale.

Lemon oil continued to show the result of growing pressure between domestic and Italian oils. The largest domestic makers held prices unchanged last week but others did observe the low price on Italian oil by reducing their quotations below those for Italian goods. Orange from Florida vied with the produce of other points and was the most reasonably priced item available at the end of the week.

Department of Agriculture data regarding May imports made them 137,293 pounds less than in April. Of the thirty-three oils studied, fourteen represented increases and 19 reflected decreases in the comparative figures for May versus April imports. Major gains were recorded for citronella, eucalyptus and geranium oils but arrivals of bergamot, cassia, clove, lavender, lemongrass, lime and patchouli showed substantial decreases. A feature was the May arrival of 516 pounds of geranium oil from British East Africa, the first importation in 1948. The remainder of the 4,429 pound total import came from France and Madagascar.

Market Trends

Prices Advanced

None

Prices Reduced

Clove, Madagascar buds, 5c. per lb.
Lemon, domestic, 10c. per lb.
Orange, Floridian, 10c. per lb.
Peppermint, natural, 20c. per lb.
redistilled, 45c. per lb.
Pineneedle, Siberian, 15c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
113.9	114.2	115.5	153.8

(For Current Prices see Page 9)

Essential Oils

Anise—Not all sellers meet the minimum of spot quotations. The lowest price was 72c. per pound, named in a single but responsible quarter. Other sellers had prices as follows: Two asked 75c. per pound; a third wanted 80c.; and others were as high as 85c. May importations totaled 6,300 pounds; there were none in April.

Bergamot—The local market remained steady in price and lacking in activity much exceeding that of jobbing proportions. Importations in May dropped sharply from those in April, according to the Department of Commerce. The May arrival was 7,694 pounds while that in April totaled 48,435 pounds. There seemed to be plenty of oil for more than the current needs of manufacturing consumers.

Bois de Rose—Most sellers took a very steady view of the market, indicating that present replacement costs supported spot quotations fully and rather discounted the effects of the at present hardly substantial requirements of buyers. May imporations declined to 1,252 pounds from the April total of 3,986 pounds, according to the Department of Commerce.

Cajeput—Competition failed further to depress spot prices; the market held very steady last week under a rather wobbly demand usually involving jobbing quantities of both forms of the oil. Imports were lacking last May, according to the Department of Commerce which also indicated the total of April arrivals to have been 3,200 pounds.

Cananga — The Department of Commerce report of importations for some reason schedules arrivals of this article under the terminology "Cananga or Ylang Ylang." The most recent report says that May importations rose to 1,210 pounds from the April figure of 596 pounds. It might prove more servicable if the department gave separate figures for the two oils; the name depends on the source of the oil and whereas some sellers offer cananga oil as low as $4 for native and $5 for rectified, and as high as $9.10 and $12.50 respectively, they quote ylang ylang as low as $3.50 and as high as $25. The tree yielding Manila ylang ylang in most of the Philippine provinces is called Alangilang. In the Moluccas and in Java, the tree is known as Tsjampa or Kananga. In Burma, it is Kadapanam.

Caraway—Local activity was confined to immediate requirements. May arrivals decreased to 400 pounds from the April figure of 1,000 pounds.

Cassia — Moderate demand and steady prices were the general rule last week. May importations were reduced to 1,260 pounds from the April figure of 6,300 pounds, according to the Department of Commerce.

Cedarleaf — The present replacement position of this oil was such that the tendency of local dealers was to maintain quotations regardless of the absence of substantial trading interest on the part of buyers. According to latest figure of the Department of Commerce, 100 pounds were imported in May; none came in during April.

Cinnamon—May arrivals of leaf oil from its origin totaled 4,613 pounds. None reached here in April, according to the Department of Commerce. No figures on bark oil were provided. Both leaf and bark oils in this market were rather dull as to demand last week but their quotations held generally steady.

Citronella—Dealers reported former quotations unchanged during the past week and a fair but not expansive movement into consumption was noted. Importations during May were increased to 157,441 pounds from the April total of 41,053 pounds, according to the Department of Commerce.

Clove—One dealer reduced his price of oil made from Madagascar buds to a minimum of $1.20 per pound but others, especially those producing oil in this country, held at $1.25 to $1.30. No change in prices for oil made from Zanzibar buds was made. It was noted that the association of Zanzibar clove growers, at last report, was not offering the item for sale. According to the Department of Commerce, May importations decreased to 5,271 pounds from the April figure of 26,455 pounds.

Dill—A moderate spot stock of dillweed oil was reported available in two quarters but most suppliers lacked stock and were awaiting new crop deliveries. Of the two lots quoted, one was held at $8 per pound, possibly the smaller of the two. The other was $8.50. There was some reason to think that desire to sell had increased.

Eucalyptus—A deal of stability appeared to govern the spot. The best season of the year spreads ahead. May arrivals rose to 81,464 pounds from the April total of 41,540 pounds—which accounts in some measure for the late easing of local quotations.

Geranium—It was interesting to learn that during May, a shipment totaling 516 pounds of this oil reached here from British East Africa—being the first 1948 arrival. Total arrivals in May were up to 4,429 pounds from the April total of 2,437 pounds, according to the Department of Commerce.

Lavender—The plentiful spot stock of this oil has not tended to create much added importation, a condition evidenced by the fact that May arrivals of flower oil dropped to 5,245 pounds from the April total of 33,223 pounds. Spike oil imports in May were nil, compared with 6,106 in April.

Lemon—Competition between the several domestic producers of this oil was keener last week and the market sagged to $2.65 per pound as the result. A sharp drop in May importations of Italian oil took place to establish a total of 24,532 pounds, comparing with 28,801 pounds of record for April, according to the Department of Commerce. Not all Italian shippers are varying quality to fit a price; some still maintain very high standards comparable with those of prewar times.

Lemongrass—Stability has come to a market recently more than ordinarily competition and a fair request was met at steady prices throughout the past week.

For Late Market Developments, See Page 4

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According to Department of Commerce figures, May importations dropped to 31,977 pounds from those of April at 43,170 pounds.

Lime—The market seemed steadier. More inquiry was noted and some gain in sales was reported. Considerably less competition existed. Shipments of Mexico have encountered much difficulty, even with respect to the movement of oil already paid for by local importers. May importations were down to 10,184 pounds from the April total of 19,549 pounds, according to the Department of Commerce.

Mustard—A very steady position was maintained so far as the artificial oil was concerned. In fact, the market appeared to be entirely stable with both the actual manufacturers and the resale distributors of the merchandise. Demand was said to be about normal.

Orange—Sellers of Floridian oil showed a trend toward a more competitive approach to the market and sales were reported made at as low as $1 per pound last week. This compared with $1.40 minimum for Brazilian and $1.45 inside for California oil. May imports showed an increase, rising to 5,805 pounds from the April total of 4,951 pounds, according to latest data from the Department of Commerce.

Orange Flower—Orange flower, or neroli oil was steady to firm but not in a great deal of demand last week. Prices were very firm and ranged very wide according to seller and quality. Department of Commerce data reported May imports rising to 46 pounds from the April arrival of 31 pounds.

Patchouli—Only the range in price changed, the market becoming $8 to $13 per pound according to dealer and quality —and the element of quality is the determining factor in assessment of values. May arrivals from the origins decreased to 678 pounds from the April total of 4,571 pounds, according to the Department of Commerce.

Pepperment—It was slightly surprising to find that prices on this oil were declining notwithstanding the some recently moderately bullish views that seemed, in part at least, to be based on the prices which had been paid on contracts by some of the largest operators in the not distant past. Local quotations on natural oil were down to $7.30 to $7.75 per pound; redistilled, $7.65 to $8.10. However, it was said that some conditions suggested that the local market will unlikely go much lower since they were at a fair parity with what large consumers had been paying in transactions direct with the largest manufacturing consumers.

It is a trifle odd that the Department of Commerce provides no import data on peppermint oil notwithstanding the fact that Brazilian and even Russian oils play a considerable part in the peppermint oil economy of the United States.

Petitgrain—Local activity was entirely routine and the movement into consumption failed to effect any change in prices prevailing on the spot. Importations last May rose to 43,566 pounds from the April arrival of 25,171 pounds, according to the Department of Commerce.

Pineneedle—Competition was more active in the realm of Siberian material and quotations in one quarter were reduced to $2.75 per pound. The range, prevailing according to seller, was to $3.75. Importations in May were 53 pounds; there had been none in April.

Rose—The spot market was one of routine activity which, for the most part, was restricted to the immediate needs of a not large number of manufacturing consumers. According to the Department of Commerce, May importations totaled 153 pounds. No arrivals had been reported for April.

Rosemary—The importations of this oil last May decreased to 706 pounds from the April total of 3,624 pounds, according to latest data provided by the Department of Commerce. Business was rather slow during the past week but the stability of prices was still maintained as the result of a lack of more favorable quotations from the origin.

Sandalwood—Prices for NF oil remained wide in range and steady in position. The Department of Commerce reported May arrivals dropping to 249 pounds from the April total of 785 pounds. The report did not say that these imports were NF in specification.

Spearmint—Local conditions seemed to be steadier. Some thought that primary market price declines had probably run

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to a full extent for this year and that the next development should be a firmer situation both in the primary market and in the local market.

Thyme—According to the Department of Commerce, May importations decreased to 35 pounds from the April total of 1,217 pounds. Yet, there seemed to be plentiful stocks of the item available at prices reasonably attractive when compared with replacement cables.

Vetiver—Local trade was slow, posble for the reason that numerous of the larger consumers were carrying a better than fair sized inventory of this article. The range on Bourbon narrowed, the market being $14.75 to $45 per pound according to quality and seller. Haitian remained at $17.50 to $20.

Aromatic Chemicals

Cetyl Alcohol—The supply was ample and marketing of this product was done under the influence of a substantial competition between suppliers. Quotations stood at $1.50 to $1.55 per pound as to quantity.

Coumarin—Demand was routine but the market was held very steady and lacking in competition because of present production cost.

Ionones — Competition continued to keep this article subject to price easing and shading. The supply was fully equal to the demand.

Musk—Ambrette was in better supply and the market had easier undertones. Ketone and xylol were in fair reserve but held steady.

Perfumery, Cosmetic Courses

—Continued from page 7

cetera, and an introductory study of cosmetic materials, together with laboratory practice in the formulation of cosmetics of a simple basic nature.

The spring session will include the theoretical and practical application and source of many of the more recently developed cosmetic materials and products, with literature reference to their physical and chemical properties. Being basic in character, this course is offered as a means of familiarizing one with present-day cosmetic ingredients, the further application of which is dependent upon the technical and scientific training of the student.

A course in perfume materials and perfumery will be given by Edward Sagarin and is described as a one semester basic introductory course in the raw materials of perfumery, their nature, origin, and use.

The course will open with an historical survey of perfume raw materials, to be followed by a study of essential and floral oils, their chemical composition, and the various methods of production (distillation, enfleurage, volatile solvent extraction, maceration, and expression). It will then study plant resins, animal perfume materials, and synthetics.

Registration will take place at Columbia University College of Pharmacy, 113 West Sixty-eighth street, from September 15 to 22nd. The registration office is open from 10 a.m. to 4 p.m. and from 6 p.m. to 9 p.m. daily, and on Saturday, September 22, from 9 a.m. to noon.

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Botanical Drugs, Spices, Gums

Price features last week in the market for botanicals centered in a decline in goldenseal root and very sharp advances in the prices of red peppers; the latter movement approached the sensational. Under the influence of the apparent weakness in primary and spot market prices on goldenseal, the market index was reduced to 198.1. A year ago, it was 264.0

Some unsettlement was reported in the position of blood and Canada snake roots. Spot prices on mandrake root were maintained at the recent advance and a season of real strength appeared to spread ahead. Somewhat more attractive quotations were received from European points offering orris root, juniper berries, linden flowers with leaves, colchicum seed, belladonna leaves, aconite and gentian roots, and on black fleaseed. The local quotations on these articles were not changed but they ended the week in not quite so steady a position.

Demand for medicinal drugs remained moderate for the most part. Much of local trading consisted of a coverage of requirements no longer to be delayed but contract coverage against the needs of the more remote future was not prominently a part of the week's affairs. Some reason to expect a firming of market prices on domestics could be found. For example, declines in primary market prices have been quite severe when compared with the availability of labor and the cost at which needed articles of importance were secured in the country.

The spot position of most imported merchandise was one of fair price stability under a demand that by no means drained important stocks from local supplies. However, it was evident that most foreign shippers were anxious to do business and could meet reasonable bids when submitted by local importers. Stocks of most items were good.

Balsams

Copaiba—Importations in May totaled 27,753 pounds, a sharp increase from the 4,408 pounds imported in April, according to Department of Commerce data. The spot market was quiet.

Fir—Canadian balsam in the amount of 920 pounds was imported in May, comparing with 100 pounds arrived in April, according to the Department of Commerce. Spot prices on Canadian and Oregonian balsams held very steady.

Peru—Latest data concerning imports noted the lack of arrivals in May as compared with 5,056 pounds that came in during April.

Tolu—A drop from the total of April imports made May arrivals 3,672 pounds; in the previous month, the total had been 8,805 pounds, according to the Department of Commerce. Little local activity failed to change the recently steady price position last week.

Barks

Cinchona—May importations at 31,100 pounds constituted a sharp reduction from the total of 94,370 pounds arrived in April. Stocks of bark in Tanganyika Territory on April 30 were estimated likely to stand at 70 long tons on December 31, 1948. All bark produced there is processed in the government-owned local factory for the manufacture of totaquin tablets. A syndicate of cinchona growers is expected to take over the factory, and that bark for export will thereafter be available for export in quantities to be determined by the syndicate.

Wahoo—Sellers were taking a firmer view on the market, intimating that primary market reductions had probably run their course and that somewhat higher prices were likely to develop when demand shall return.

Beans

Vanilla — Local dealers in Bourbon beans were still disposed to sit tight pending receipt of a confirmation that the decree recently reducing prices in the islands had been signed officially. Beans in spot stock were bought on a much higher market than would prevail if the intention to reduce official quotations should be authoritively promulgated. One local dealer is about to return from Madagascar and on his arrival something of reliable import will probably be made available to the trade. If such is the case before press time, it may be found on page 4 of this issue.

Berries

Cubeb—Trading was in jobbing quantities only but business done was sufficient to keep prices to a very steady position and to limit competition to rather narrow confines last week.

Juniper—Plenty of the material was available but interest in more than small lots was absent from the market last week. The undertone was very easy throughout the period. Prices were not changed.

Flowers

Chamomile—The local market gained moderate in consumer interest and sales were said to be up moderately. Importations were resumed last May, according to the Department of Commerce whose latest data reported 2,332 pounds reaching here in that month. There were no arrivals in April.

Linden—Local quotations were steady; they were said to be in line with the replacement position in foreign markets. Spot stocks were of fair size and were well distributed in local circles, it was said.

Gums

Arabic—The market was steady to firm and some interest in forward needs was disclosed by some buyers. May importations dropped sharply, being 506,308 pounds, as compared with the April import of 970,910 pounds, according to the Department of Commerce data.

Asafetida—Stocks were conservative but appeared ample to meet the currently limited consumer requirement. May imports rose moderately to 12,170 pounds from the April total of 11,872 pounds.

Benzoin—Latest data on imports provided by the Department of Commerce reported no arrivals last May, comparing with 1,000 pounds landed in April. This has tended to create a firmer undertone and a slight upward tendency was noted in local prices last week.

Karaya—Stocks have dwindled considerably under a steady demand for technical uses. May imports dropped to 484,626 pounds from the April arrival of 720,824 pounds—which figures are the latest data provided by the Department of Commerce.

Herbs and Leaves

Belladonna—Imports of leaves and roots combined in May dropped to 640 pounds from the April total of 996, as reported by the Department of Commerce. During the past week, business in new crop European leaves to arrive later on was proposed to consumers by regular sources at 85c. per pound—possible a fair idea of foreign leaf value at this time. The spot market held steadily to $1.25 per pound, minimum.

Buchu—Although not a great deal of local trade was noted, the market remained relatively steady and in line with replacement cost. May importations de-

Market Trends

Prices Advanced

Drugs

None

Other Articles

Pepper, black, 1c. per lb.
red, Hontaka, 6c. per lb.
Niger, 15c. per lb.
Nigerian birdseye, 14c. per lb.

Prices Reduced

Drugs

Goldenseal root, whole, 25c. per lb.
powdered, 25c. per lb.

Other Articles

Mace, No. 1, Siauw, 2c. per lb.
East Indian, 5c. per lb.
West Indian, 5c. per lb.
Nutmegs, West Indian, 1c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
198.1	201.0	199.2	264.0

(For Current Prices see Page 9)

Imports Detained by FDA

New York

Week Ending August 27

Caraway seed, 450 bags: insect and rodent excreta.
Cassia, 204 bales: insect filth.
Cassia oil, 5 drums: not U.S.P.
Cloves, 2,415 bags: filthy.
Nutmegs, 372 bags: moldy and wormy.
Pepper, black, 943 bags: filthy; excess siftings and pickings.
Stramonium leaves, 13 bales: filthy.

For Late Market Developments, See Page 4

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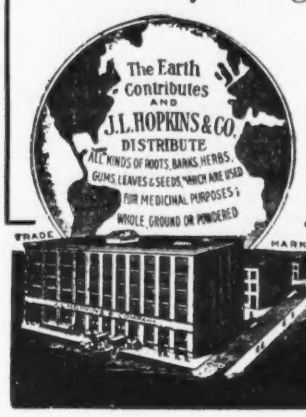
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creased to 18,806 pounds from the April total of 19,976 pounds.

Digitalis—Sellers took a steady view in an inactive market, holding prices to levels said to be justified by late costs to replace in foreign markets. Importations in May were lacking; in April, they were 2,203 pounds according to the Department of Commerce.

Henbane—The market may ultimately show a strengthening since the latest report on importations made May arrivals show a sharp drop to 20,531 pounds from the April total of 59,807 pounds.

Stramonium—Light demand and steady prices ruled locally last week. Stocks were ample. May arrivals increased sharply to 52,185 pounds from the April total of 39,427 pounds.

Miscellaneous

Ergot—According to the latest report of the Department of Commerce, arrivals last May totaled 9,940 pounds. In April, there were none. Spot prices proved to be very steady, reflecting in that way the absence of weakness abroad where sellers showed some reserve.

Kola Nuts—Spot business was in jobbing amounts and the market was relatively low but also very steady last week. The May import of this item totaled 5,760 pounds, according to the Department of Commerce. There had been none in April.

Papain—Local conditions were not quite so competitive as they had been but prices remained without visible strengthening. Stocks, according to an April estimate made in the Tanganika Territory, at the end of this year were expected to be 80 tons. The May arrivals in this country dropped to 16,339 pounds from the April figure of 23,233 pounds, according to the Department of Commerce.

Roots

Blackberry—This root was quoted locally at 12c. to 13c. per pound, which was not much of an advance over the value placed on the item by primary market collectors.

Blood—Since last April, primary market prices on this root have declined twenty percent, according to quotations recently noted. The spot price also softened during that time and the quotation noted locally last week was hardly firm at 65c. per pound—yet price that was asked.

Colombo—According to an estimate made in April in the Tanganyika Territory, December 31, stocks were expected to be 100 tons of this root.

Gentian—The May importations rose to 34,997 pounds from those in April at 30,649 pounds, according to the Department of Commerce. The local market was more active and prices were steadier.

Goldenseal—Country prices continued to decline and in local circles, whole root stood at $5 to $5.25 per pound for whole and $5.25 to $5.50 for powdered material. The fall in replacement cost since last April has been about 20 percent.

Licorice—Total arrivals from Turkey during the first quarter of 1948 were 6,361,351 pounds. The total for 1947 was 29,766,184 pounds. According to the Department of Commerce, May arrivals totaled 10,782,455 pounds. Of this amount, Iran supplied 5,875,356 pounds.

Mandrake—The market held very firm at 40c. to 45c. per pound on spot and dealers away from this spot were not shading the inside by more than 2c. per pound. Dealers here expected the market to continue its recent gain in strength.

Pleurisy—Interest was shown in the price of this root and in local circles last week the market was called 33c. to 34c. per pound.

Rhubarb—The recently more steady spot market was unchanged and quotations seemed to be better maintained than they had been. Competition was less aggressive. Demand was not a great deal larger. May importations totaled 2,240 pounds against nothing arrival in April.

Sarsaparilla—Though not very active, firmness in primary markets tended to be a support to the price views of local suppliers. May imports dropped sharply to 12,552 pounds from the April total of 37,651 pounds.

Seeds

Anise—Inquiry was along jobbing lines but a fair amount of business drew against not very substantial spot stocks of this material. Prices on the several varieties held very steady.

Caraway—Replacement cables showed prices being well maintained in Denmark and Holland where fair crops seemed to indicate a good reserve of seed for export purposes after the primary market growers have fulfilled their obligations to those who in Europe press the seed for oil.

Cardamom—Shippers' views on the value of their present stocks failed to weaken in the least and any business done in goods for import during the past week paid full values at the various sources. Local market conditions reflected those at the origin fully.

Celery—Indian seed failed of further advance but the recent rise was well maintained under the influence of a steady if not expansive requirement on the part of manufacturing consumers.

Dill—The spot market was not abundantly supplied with this item and despite the lack of expanding requirements on the part of buyers, prices showed a deal of strength throughout the entire week.

Mustard—The 1948 crop in Montana, California, and Washington was estimated at 14,520 pounds by the Bureau of Agricultural Economics last week. It would be the smallest crop since 1939 and compares with 20,990,000 pounds produced in 1947 and with the 1942-46 average of 34,033,000 pounds. Montana produced 90 percent of the domestic crop and the reduction of 59 percent in acreage cultivated was in some degree offset by good yields per acre. Oriental is only 43 percent as large as last year; brown, 73 percent; and yellow, 82 percent. The forecast of production was as follows:

	Pounds	
	1948	1947
Yellow	8,770,000	10,660,000
Brown	3,150,000	4,730,000
Oriental	2,600,000	6,000,000
Totals	14,520,000	20,990,000

Spices

Mace—Spot prices were lower under the influence of more competition and some movement of replacement costs in favor of buyers. No. 1 Siauw on spot was down to $1.24 to $1.26 per pound; West Indian, $1.30 to $1.35 for whole and $1.10 to $1.15 for broken. East Indian futures stood at $1.20 to $1.22.

Nutmegs — The market eased rather early in the past week and quotations on West Indian material were reduced to the basis of 59c. to 59½c. per pound. No change was made in the price on East India megs.

Paprika — Production in Spain during 1948 was estimated at 31,856,000 pounds, or about the same as in 1947, according to the Department of Agriculture on advices from the American embassy at Madrid. Portuguese production for 1948

—Continued on page 85

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Protective Coatings Materials

The price index for protective coatings materials jumped to 210.2 last week, as higher schedules were effected on tricresyl phosphate, all grades of zinc oxide and pure, zinc sulphide. Animal fatty acids and imported casein were lower.

As foreshadowed by earlier announcements, both leaded and lead-free grades of zinc oxide were moved up 2½c. per pound during the week. Pure, zinc sulphide received a 2c. increase. The new zinc pigment schedules are guaranteed only until September 30. Long-expected advances on cadmium colors again failed to materialize. Red, iron oxide was firm. Both Spanish and Persian Gulf grades were in short supply, although reports continued current in the trade of negotiations for another shipment of the latter material from the Middle East this Fall.

Among the synthetic resins, one alkyds maker reduced two grades 2c. to 3c. per pound. Reductions were also applied to two grades of ester gums, while a producer of modified rosin ester made with pentaerythritol announced a 1c. advance. Petroleum-type hydrocarbons were upped ¾c. to 1c.; and a line of polyvinyl elastomers were moved in two directions—up 1c. to 2c. on four grades and down 1c. to 4c. on a fifth.

Both shellac and natural resins were firm. Silica was similarly stable. Coaltar tricresyl phosphate received increases ranging from 5c. to 9c. per pound during the week. The petroleum grade of this plasticizer, made only by one manfacturer, was upped 4½c. At the same time, this producer announced the marketing of a new grade of petroleum tricresyl phosphate, which material commands a 1c. premium because of better color qualities.

Animal fatty acids were off 2c. to 3c. Asbestos was firm. Imported casein dropped ¼c. because of the lack of business.

Market Trends

Prices Advanced

Rosin, gum, Savannah, G. H, 12c. per 100 lbs.
I, 11c. per 100 lbs.
K, 9c. per 100 lbs.
M, N, 4c. per 100 lbs.
WG, 2c. per 100 lbs.
WW, X, 7c. per 100 lbs.
Tricresyl phosphate, coaltar, 5c. to 9c. per lb.
petroleum, 4½c. per lb.
Turpentine, gum, New York, ½c. per gal.
Savannah, ¾c. per gal.
Zinc oxide, domestic, acicular, 2½c. per lb.
American process, lead-free, 2½c. per lb.
5% leaded, 2½c. per lb.
35% leaded, 2½c. per lb.
50% leaded, 2½c. per lb.
French process, lead-free, 2½c. per lb.
green seal, 2½c. per lb.
red seal, 2½c. per lb.
white seal, 2½c. per lb.
USP, 2½c. per lb.
Sulphide, pure, 2c. per lb.

Prices Reduced

Animal fatty acids, 2c. to 3c. per lb.
Casein, imp., acid-precip., ¼c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
210.2	204.1	202.5	180.7

(For Current Prices see Page 9)

Prime Pigments

Aluminum Paste, Powder—The Bureau of Census reported that July shipments of powder, flake and paste totaled 1,499,000 pounds, compared with 1,659,000 pounds during the preceding month and 1,022,000 pounds in July, 1947. Cumulative shipments for the first seven months of this year aggregated 8,800,000 pounds, as against 11,278,000 pounds for the January-July period last year.

Cadmium Colors — There was still no word during the week from producers concerning expected price increases. The trade believed higher prices were inevitable in view of the currently inflated price of the metal. However, no official action was taken by the press time.

Lead Pigments — Supplies were still holding their own against consuming inquiries. White lead stocks were reported to be somewhat fuller than red lead inventories, producers having had the opportunity to build up supplies on the former material during the Summer lull. The pressure of demand for red leads, particularly from steel mills, forestalled any such improvement in the latter material. Overall the situation was reasonably good, however, but trade circles warned that any substantial rise in demand would again throw the market into short supply. Basic silicate white leads were firm during the week at higher levels following recent 1c. to 2c. per pound increases by makers. Last week the material in carload quantities ranged from 18¼c. to 23¾c. per pound; less carlots were at 18¾c. to 24¾c. Basic sulphate white lead was similarly stable at advanced levels at 18¼c. per pound, carload, and 19¼c., l.c.l.

Orange, Mineral—This section settled down at higher levels following recently-announced increases by producers. Quotations last week were uniform at 25.6c. per pound. The supply-and-demand picture was similarly without change.

Red, Iron Oxide — Both Spanish and Persian Gulf oxides remained in tight supply during the week. There were continued reports in the trade that several importers were concluding negotiations for another shipment of pigment from the Middle East this Fall. The Spanish material was still viewed as being too high-priced to permit any full-scale resumption of importations. Last week, however, arrivals totaled 3,392 bags and 10 casks from Malaga and Liverpool. Synthetic reds were still hampered by the high price demanded by scrap iron producers. Price-wise, all materials in this section remained on a par with levels of previous weeks.

Zinc Oxide—As per previous announcements, the market moved up 2½c. per pound on all leaded and lead-free zinc oxides during the past week. With the new prices guaranteed for only one month (September), there were few who would venture to predict the course of quotations during the fourth quarter. Zinc metal last week was firm, however, but with production cut-backs continuing because of strikebound conditions at several plants, some trade sources described the metal market as having bullish tendencies. Meanwhile, zinc oxide pigments remained very tight, with shipments still being allotted to regular customers only on a quota basis. Demand, at the same time, continued extremely active.

Zinc Sulphide—In line with previous announcements, the pure grade was boosted 2c. per pound during the past week. Extended zinc sulphides, however, remained firm at 8c. to 8¼c. per pound for the barium pigment; 8c. to 8¼c. for the calcium pigment, and 8c. to 8¼c. for the magnesium pigment.

Zirconium Oxide—Prices were firm in this section at $1.50 per pound for the white, ground, 98½-99 percent material; 44c. to 48c. for the lump, electric-fused grade, and 59c. to 63c. for the milled, electric-fused product. Sales were proceeding at a normal rate and supplies were more or less on a par with previous levels. Production of the 88 percent grade has been discontinued.

Fillers and Extenders

China Clay—Stable conditions keynoted this section during the period under review. Prices were maintained. Supplies were unchanged, and demand retained previous levels. Importations during the week aggregated 100 tons of blue ball clay from Avonmouth.

Silica—In excellent supply last week, this material received moderate consuming inquiry. Business was expected to pick up somewhat in succeeding weeks. Prices, meanwhile, held firm at previous listings. Quotations called for $20 to $30 per ton, carload, for the dry-ground, 325 mesh material; $15 per ton, carload, for 325 mesh hard quartz, and $10 per ton, carload, for 140 mesh hard quartz.

Synthetic Resins

Alkyd Resins—Prices were firm in the main during the month, although civilian demand was largely inactive. Inquiries from governmental sources were reasonably heavy, however, and at least one manufacturer reported that stocks of phthalic anhydride were so low that some of this business had to be turned away. Inventories, though not especially plentiful, were sufficient to handle the current volume of demand. Two grades of one line of alkyds were lowered 2c. to 3c. per pound. Other makers held at previous quotations.

Chlorinated Rubber—Buyers were said to be stepping up demands for cyclocized dispersions. Nevertheless, supplies were said to be available in sufficient quantities to meet requirements. Prices were firm.

Cumarone - Indene Resins—Minimum-quantity shipments of the lighter grades were going out last week to contract cus-

For Late Market Developments, See Page 4

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tomers only, but most of the darker types of resins were available for immediate delivery. Calls were still heavy, particularly from the floor tile industry, and many of these manufacturers were compelled to continue using polystyrene resins because of the scarcity of light cumarone-indenes. Listings were maintained.

Ester Gums—Reductions of 1c. per pound were applied to two grades by one manufacturer during the past month. At the same time, a maker of modified rosin esters made with pentaerythritol advanced one grade 1c. per pound. Inventories generally were reported to be approximately in balance with demand.

Hydrocarbon Resins—Three grades of petroleum-type hydrocarbons were lowered ½c. to 1c. per pound last month. Supply-and-demand conditions were stable.

Phenolic Resins—There were no price fluctuations in this section during the period under review. Demand was steady and supplies were said to be ample for all grades but those made from cresol.

Polystyrene—Demand was reported to be increasing for this material, as industrial applications continued on the rise. Supplies were said to be keeping pace with demand. One major source of the product reported that a new production unit was already in commercial operation.

Silicone Resins—Output continued at a moderate pace, with demand stemming largely from industries outside the protective coatings field, primarily the electrical trade. Although silicone resins are claimed to have numerous beneficial contributions to make to the paint industry, production was still too small last week to permit any of these developments to become full-scale commercial realities. Prices were constant.

Vinyl Resins—A maker of polyvinyl elastomers reported a change in shipping practice, switching over to a transportation prepaid basis from a works price. As a result, four grades were upped 1c. to 2c. per pound and a fifth received 1c. to 4c. reductions. Demand for vinyls continued relatively strong. Supplies were good.

Natural Resins

Quotations on the New York market settled down at lower levels following recent declines for copal and dammar gums. Despite the official firmness of prices, shading was reported in some quarters. Trading continued on the listless side, and stocks remained approximately at previous levels. Arrivals last week totaled 104 bags of copal from Manila, 320 bags of dammar from Singapore and 1,619 bags of karaya from Bombay.

Shellac—Traders in New York and Calcutta reported firm prices, as both markets held steady. Buying was still on a minimum-quantity basis. In the New York area, it was still too early to discover what effect the trucking strike in that area was having on consumer stocks. Since many buyers had previously stepped up orders to guard against the eventuality of dried up sources of supply, it was viewed by the trade as unlikely that any immediate hardship would be caused. The duration of the walkout was the key factor. If it should continue over a prolonged period, there was little doubt that the market would be hard hit.

Lacquer Materials

Tricresyl Phosphate—The coaltar grade was advanced 5c. to 9c. per pound during the week, as one maker went partway to meet previously-announced increases by competitors. Earlier boosts ranged from 8½c. to 9c. per pound, while the lesser advance was 5c. to 5½c., resulting in an overall fluctuation on the

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material of 5c. to 9c. per pound. Current market listings follow:— Drums, carload, delivered, 43c. to 46½c. per pound; l.c.l., delivered, 43½c. to 47c., and tanks, delivered 41½c. to 45c.

The petroleum grade, made exclusively by one manufacturer, was similarly advanced, by 4½c. per pound. Current quotations follow:— Drums, carload, delivered, 43c. per pound; l.c.l., delivered, 43½c., and tanks, delivered, 42c. At the same time, this company announced the marketing of a new grade of petroleum tricresyl phosphate. This material, which is said to possess a better color, is quoted at 1c. over the grade above.

Miscellaneous Materials

Animal Fatty Acids—Declines of 2c. to 3c. per pound were noted during the past month. Orders were still very heavy.

Asbestos—Inventories of long-fibered asbestos were very low in the face of the extremely active demand. Short-fibered grades, however, were in reasonably good supply. Prices were firm at a range of $25.50 per ton for 7T asbestos to $76.50 for 5D and 5K grades.

Asphalt—Importations during the week totaled 67,407 barrels of petroleum asphalt from Curacao.

Casein—With buying interest at a virtual standstill, prices for imported casein declined again last week. Offerings were made at 25¾c. to 26¼c. per pound, ¼c. below the previous week's quotations. The domestic material, which was in very thin supply, was firm at 31c. per pound. Many Argentine producers were reported to be unconcerned over the weakening in the market, believing that American consumers will eventually have to buy imported casein if they are to continue operations. Producers in Argentina apparently are still relying heavily on the paucity of domestic production. However, at least one American dealer ventured the opinion that the casein market will not get back to normal until quotations are put on a competitive basis with other materials. He pointed to the fact that glue manufacturers have largely abandoned casein for synthetic resins; that paper mills are using less than 20 percent of their previous consumption, and that large crops are expected for soybeans and other products used widely in casein substitutes.

Glue—Bone grades were stable at lower levels during the week following recent reductions. Current quotations on the calcium type range from 23c. per pound for 0-40 jellygrams to 28c. per pound for 145-180 jellygrams. Demand was reported to be slower. Supplies were ample, with most producers having caught up with back orders because of reduced consumer interest.

Hide glues, at the same time, were also lower, ranging from 25c. to 28c. for 100-121 jellygrams to 38c. to 41c. per pound for 495-529 jellygrams. Supplies of these grades were still extremely tight. Demand remained heavy.

Graphite—Arrivals last week totaled 500 bags of graphite from Colombo.

Gypsum—Importations during the past week aggregated 506 bags and 10,388 tons of crude gypsum from Liverpool and Hautsport.

Naval Stores

The records of the gum naval stores markets over the week ended September 3 were as follows:—

Gum Rosin

	Price per 100 lbs.						
	Savannah Exchange (Low of range)					New York c.i. l.c.l., f.o.b. N. Y. whse.	
	Mon.	Tues.	Wed.	Thurs.	Fri.	Friday	
B	$6.50	$6.50	$6.50	$6.50	$6.50	$7.90	$8.65
D	7.00	7.00	7.00	7.00	7.00	8.25	9.00
E	7.00	7.00	7.00	7.00	7.00	8.25	9.00
F	7.25	7.25	7.25	7.25	7.25	8.25	9.00
G	7.25	7.25	7.25	7.25	7.37	8.35	9.10
H	7.25	7.25	7.25	7.25	7.37	8.35	9.10
I	7.26	7.26	7.26	7.33	7.37	8.35	9.10
K	7.28	7.28	7.28	7.33	7.37	8.35	9.10
M	7.33	7.33	7.33	7.33	7.37	8.35	9.10
N	7.33	7.33	7.33	7.33	7.37	8.35	9.10
WG	7.35	7.35	7.35	7.33	7.37	8.35	9.10
WW	7.44	7.44	7.44	7.47	7.50	8.50	9.25
X	7.44	7.44	7.44	7.47	7.50	8.50	9.25
	Drums						
Sales	100	100	100	100	268		
Receipts	148	317	99	197	65		
Shipments	978	43	...	193	40		
Stocks	12,894	13,168	13,267	13,261	13,266		

Gum Turpentine

	Savannah Exchange Bulk					New York (ret. dms.) tanks l.c.l. f.o.b. ex N.Y. whse. (7 lbs.)	
	Mon.	Tues.	Wed.	Thurs.	Fri.	Friday	
Per gal	.37¼	.37½	.37½	.37¾	.38	.45	.55
Sales, bbls	...	320	160	280	174		
Receipts, bbls.	15	...	215	305	783		
Shipments, bbls.	15	...	187	244	163		
Stocks, bbls	9,299	9,299	9,327	9,388	10,008		

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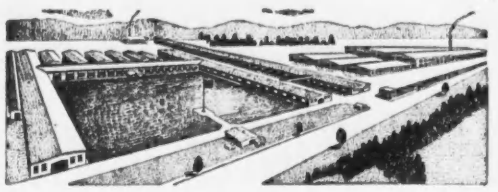
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For the Bookshelf

A TALE OF TWO TREES—1798-1948. By Joseph E. Stevens. 120 pages. New York: American Dyewood Company.

This is the history of the American Dyewood Company's first 150 years, embroidered with a tale of two trees—logwood and quebracho—of fundamental importance in its operations. The whole is mighty interesting reading, with a goodly content of information.

The philosophy of the history appears to be that the company is not concerned with the years of its existence and feels that very few, if any, of its friends "care an iota whether we hark back 150 years or 15." So, it starts its story with logwood, getting to the cutting thereof by William Partridge in Greenwich Village in 1798, in the second chapter. Several succeeding and collateral concerns come into the next four chapters, and then quebracho—the axe-breaker—comes in. Many men and materials are encompassed with word and picture by the narrative, romantically related by the sole survivor of the Dyewood 90's who "for errors of omission and commission" was shipped off to South America—and came back to the black (logwood) market with quebracho!

Schor Joins A.H. Wirz

A. H. Wirz, manufacturer of collapsible metal tubes, metal and plastic specialties, Chester, Pa., has appointed Milton Schor director of the research and development division. For the past five years he has been with the research and development department of Colgate-Palmolive-Peet Company, Jersey City, N. J.

Monsanto Splits Plastics Division Unit in 2 Groups

Monsanto Chemical Company, St. Louis last Wednesday announced division into two groups of the industrial and surface coating resins sales department of the company's plastic division at Springfield, Mass.

One of the new sales groups, the adhesives and industrial resins department, will be headed by E. Everett Decker, formerly district manager at Lockport, N. Y., for Monsanto's western division. Assisting him will be Edmund S. Bauer, jr., formerly assistant sales manager of the industrial and surface coatings resins sales department. The products of the department will include "Resinox" and "Resimene" resins, other than molding materials, and plywood adhesives, bonding resins and glues.

Albert W. Dunning will continue as sales manager of the surface coatings resins department, assisted by William C. Davis, until now a member of the sales development department. In addition to surface coating resins, the department will be responsible for the sale of styrene monomer produced at the company's rebuilt Texas City, Tex. plant, and for formaldehyde, soon to be produced at a new plant in Springfiled.

New England Paint Club To Meet September 10

The September meeting of the New England Paint, Varnish and Lacquer Association will be held next Friday at the Kernwood Country Club, Salem, Mass. Dinner will be served at 6:30. Golf and door prizes will be awarded after the dinner.

Clean Up—Paint Up—Fix Up Trophy Committee Appointed

Secretary of the Interior Julius A. Krug, Secretary of Commerce Charles Sawyer, and Earl O. Shreve, president of the United States Chamber of Commerce, have accepted an invitation to serve on a three-member committee to select the winner of the Ernest T. Trigg Trophy in the national cleanest town contest. The contest is sponsored annually by the national clean up—paint up—fix up bureau as a public service to encourage communities to improve their local clean up—paint up—fix up programs and to give national recognition to those communities showing the best results in community development.

Canada's Titanium

—Continued from page 5

miles of railway from Havre St. Pierre on the Gulf of St. Lawrence to the deposit; building ore docks and storage facilities, and the smelter construction at Sorel is estimated at $25,000,000 to be spent over the next three years.

The average grade of the cliff orebody on Lake Tio as shown by the drilling is 35 percent titanium oxide TiO_2 and 40 percent iron. This is higher than any of the average grade of 18 to 19 percent TiO_2 contained in the Famous MacIntyre orebody in New York State, owned by the National Lead Company.

Separating Titanium and Iron

Early studies of the Allard Lake ores showed that the titanium oxide and iron could not be separated mechanically. Laboratory tests by Shawinigan Water & Power Company, whose interest lay in the large quantity of power which would be required, indicated that separation could be made by electric smelting, utilizing large quantities of power so that the iron could be reduced to the metal and the titanium left in an acid soluble state in the slag where it can be leached out by sulphuric acid treatments.

The proposed smelting plant at Sorel will consist of six of the largest size electrical furnaces known. Production is scheduled to start in 1951 or 1952. Last year's production of titanium oxide in the United States was about 220,000 long tons. Estimated consumption of refined oxide by the time the new plant is in production is between 250,000 and 350,000 long tons, so that from its inception the Sorel plant will be supplying the great bulk of United States requirements of the product.

Edwal Vice-President

Seth L. Szold has been appointed vice-president and treasurer of Edwal Laboratories, fine chemicals manufacturer, Chicago. In this newly created vice-presidency he will handle accounting, financial control and forward planning. Formerly, Mr. Szold was with the Minneapolis investment firm of J. M. Dain & Co.

Trade Briefs

Chemical Pump & Equipment Corporation, New York, has been appointed to represent the process equipment department of Union Iron Works, Erie, Pa., in all of New York east of Rochester and western Connecticut.

Irvington Varnish & Insulator Company, Irvington, N. J., announced that its "Harvel 1-F" black paint, used as a coating for such items as laboratory furniture and cabinets, and fume hoods, is now available for other commercial and industrial finishing operations.

Consolidated Paint Company has been incorporated in Los Angeles County, with a capital of $200,000. Principals are: Herman, Miriam and Leona Spiegelman, all of Los Angeles. The new corporation is represented by Schwartz, Gale & Bloom, 6253 Hollywood boulevard, Hollywood.

N.Y. Paint Technicians Discuss Market Trends

Market trends relating to the paint industry and the effect of white pigments on physical properties of linseed oil paint films were discussed at the meeting of the New York Paint and Varnish Production Club, held September 2 at the Building Trades Employers Association building, 2 Park avenue.

Edwin M. Fisher, of the OIL, PAINT AND DRUG REPORTER, spoke on the current price changes, and those about to be made, on paint raw materials and the reasons behind these price movements. The current and probable future availability of various pigments, resins, and oils also were discussed.

E. J. Dunn, jr., of the National Lead Company, presented an illustrated talk on the effect of various white pigments on paint films, both initially and on exposure. It was pointed out that reactive pigments are generally more durable than the nonreactive pigments due to greater hardness on aging of the filfim. However, the need for a balanced formula in which the hardening effects of soap forming pigments are controlled by pigments which are nonreactive was stressed. Of particular interest was the effect of a new pigment, lead salicylate, which lends marked distensibility and adhesion to linseed oil paint films.

Pitts Glass Appoints Hartwick to New Post

Appointment of Otto J. Hartwick as technical director of the Houston paint division of Pittsburgh Plate Glass Company has been announced by Dr. W. W. Bauer, technical director for the firm's paint operations.

Prior to joining Pittsburgh Plate's Newark, N. J., paint division in 1926, Mr. Hartwick had served as a lacquer chemist with Edward Smith & Co., Long Island City, N. Y.; as a partner and chief chemist with Adams-Clausen Company, also of Long Island City, and with the Newark Varnish Works as lacquer and paint chemist.

Since his association with Pittsburgh Plate Glass Company, Mr. Hartwick had served as lacquer and paint chemist at the Newark and Milwaukee plants prior to his transfer to the new Houston plant as chief chemist in 1941.

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SPECIFICATIONS

	Max.	Min.	Typical Analysis
Specific Gravity 15.5C	0.855	0.845	0.852
Refractive Index 20C	1.477	1.472	1.474
Unpolymerized Residue	2.5%	.....	1.2%
ASTM Distillation			
Initial B. P.	.....	170C	170C
5%	.....	173C	174C
95%	185C	.....	182C

PROPERTIES

Solvent Power
Kauri Butanol: Approximately 70.
Aniline Point: Approximately —10C.
Mixed Aniline Point: (N-Heptane) Approximately 33C.
Flash Point: Approximately 118F (Open Cup).

USES

CROSBY DIPENTENE is used as a special thinner for paints and varnishes, especially as an anti-skinning agent, also as a solvent in reclaiming rubber, as a diluent in perfumes, solvent for certain insecticides, in the manufacture of polyterpenes, synthetic resins and other chemical products.

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Plasticizers 1948 Output Seen Near 200 Million Lbs.

Production of plasticizers is heading for an all-time high of 200,000,000 pounds this year, W. A. Woodcock of the Carbide & Carbon Chemicals Corporation, New York, said last Tuesday in an address before the 114th national meeting of the American Chemical Society in Washington.

This development is a corollary of the tremendous expansion of the plastics market since the war, according to Mr. Woodcock, who pointed out that the type of plasticizer employed is primarily responsible for the specific properties of various plastics, such as heat stability, oil resistance, and flexibility at low temperature.

Monsanto's Adhesive Plant Starts Operating Oct. 1

Hugh Armstrong, manager of the Monsanto Chemical Company's new plant at Decatur, Ill., reported last week that full production is anticipated by October 1. Construction of the new facilities began in early spring after the company had announced its intention to move part of the Portsmouth, Va., operation to Decatur. The plant will manufacture industrial adhesives.

Oil States Petroleum Names Watson to Post

James Watson has been appointed assistant to the president of the Oil States Petroleum Company, New York. Formerly he was secretary of the Sterling Products Company, chemicals manufacturer, Easton, Pa., and more recently comptroller of Bishop Industries, Summit, N. J. Oil States manufactures and exports white mineral oils, petrolatums, waxes and other petroleum derivatives.

Fuel-Oil Additive Offered

Houghto-Solv is a fuel-oil additive newly added to the products of E. F. Houghton & Co., 303 West Lehigh avenue, Philadelphia 33. In a descriptive folder, the company calls the new product a speedy, effective additive that completely removes sludge from fuel-oil systems. The folder also gives information on how and where to use the new additive and sets forth seven claims for its superiority.

Continental Oil Plans To Expand Facilities

The Continental Oil Company announced last week that it will expand the crude oil capacity of its refinery at Ponca City, Okla., to about 52,000 barrels a day. The project, estimated to cost $7,750,000, will require eighteen months for completion, and will bring the plant's crude charging capacity in balance with its cracking capacity.

Martin-Senour Starts Air-Marking Project

The Martin-Senour Company, paint manufacturer, Chicago, has launched an air-marking plan which calls for painting directional symbols atop factories, office buildings and other selected structures. Paint is being supplied free by the company for the project, which is being done in cooperation with the Fort Dearborn unit of Aircraft Owners and Pilots Association.

Trade Briefs

Imperial Oil Ltd., Montreal, has added two more producers in the Leduc field.

Edward G. Voss has been elected assistant treasurer of Arabian American Oil Company.

F-G-C Paint Sales Company has been incorporated in San Diego County, Calif. Principals are Herbert E. Gross, A. W. Collins and Russell W. Ferrell, all of San Diego. The new corporation is represented by F. H. Nottbusch, 1230 Bank of America building, San Diego.

Advance Finishes, Inc., has been formed in Los Angeles County, Calif., with 1,000 shares of no par value capital stock, to engage in the manufacture, sale and distribution of points, varnishes, lacquers and pigments. Directors are: Richard B. Pollak, of Maywood, Calif; and J. Howard Steiner and Nat H. Borg, both of Los Angeles. The new corporation is represented by Wiseman & Elmore, 326 Transamerica building, Los Angeles.

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DUREZ RESIN NEWS

DUREZ 220V RESIN

DUREZ 220V RESIN is a pale, high-melting modified phenolic resin similar to Durez 220 and has the great advantage of a higher viscosity in solvents and oils. It is well suited for use in all general type varnishes and enamel liquid formulations based on slow bodying and soft drying oils. Substituted directly for any hard resin without alterations in cooking procedures, it produces excellent results in bodying, color, viscosity, dry, and flexibility.

ARCHITECTURAL FINISHES. Durez 220V Resin makes varnishes sufficiently flexible for exterior use, and at the same time its drying speed and hardness recommend it for interior finishes ranging all the way from floor varnishes to enamels and trim colors.

ALKYD RESIN ENAMELS. Because of the low acid number of Durez 220V Resin and the almost completely reacted condition of the components, it is preferable to cook Durez 220V Resin into a varnish and then blend with the alkyd. This procedure is quite different from that recommended for Durez 219 and 209. A Durez 220V Resin varnish blended with the alkyd will increase gloss, water resistance, and brushability.

MARINE FINISHES. Varnishes made from Durez 220V Resin make excellent vehicles for cabin colors. Their resistance to moisture, combined with good gloss and color stability, is outstanding. For marine engine enamels we recommend the inclusion of 10-15% of a pure phenolic resin to increase gasoline and oil resistance.

FOR SAMPLES. Samples and further information will be furnished promptly on request. Durez Plastics & Chemicals, Inc., 39 Walck Rd., N. Tonawanda, N. Y.

PHYSICAL PROPERTIES OF DUREZ 220V RESIN

Melting Point	282° to 288°F. (Capillary Method)
Acid Number	10 to 14
Color	WW to WG
Refractive Index	1.553
Specific Gravity	1.102
Weight per gal.	9.18 lb.

DUREZ . . . RESINS THAT FIT THE JOB

Staley's Oil Sales Head

Melvin J. Longbons has been appointed manager of the oil sales division of the A. E. Staley Manufacturing Company, corn and soybean processor, Decatur, Ill. He succeeds the late Henry W. Galley.

Bids Wanted

Activated carbon, 50 tons, Army Corps of Engineers (Washington 25) invitation 39, September 10.

Amino acids, including dl-alanine, 500 grams; dl-isoleucine, 500 grams; L-leucine, 500 grams; L-lysine hydrochloride, 1 kilogram; DL-methionine, 1 kilogram; DL-valine, 500 grams; L-phenylalanine, 25 grams, Department of Agriculture (Washington 25) invitation 177-49, September 9.

Argon gas, 42 218 cubic feet-cylinders, Navy Purchasing Office (New York 3) invitation 3310, September 9.

Bentonite, 100.000 pounds, various deliveries, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 1272, supplement 2, September 8; 40.000 pounds, invitation 2530, September 13.

Carbon remover, 4.000 gallons, Navy Purchasing Office (New York 3) invitation 3268, September 8.

Castor oil, 5.004 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 108, September 16.

Cleaning compound, 50.800 pounds, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 2369, September 10.

Corn flour, powder, 10.000 pounds, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 2580, September 13.

Dextrine, 20.000 pounds, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 1272, supplement 2, September 8.

Enamel thinner, 125.000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 133, September 21; 125.000 gallons, invitation 132, September 21; 75.000 gallons, invitation 131, September 21; 75.000 gallons, invitation 130, September 21.

Lacquer, pyroxylin, 20.000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 88, September 15.

Lard oil, 10.002 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 107, September 16.

Laundry sour, 2.165 pounds, Quartermaster Purchasing Office (New York 3) invitation 211, September 14.

Lime, hydrated, 300 tons, Army Corps of Engineers (Washington 25) invitation 38, September 16.

Linseed oil, raw, 25.014 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 141, September 21; 25.002 gallons, invitation 140, September 21.

Oleomargarine, 218.662 pounds, Veterans Administration (Washington 25) invitation 46-S, September 10.

Paint, enamel, 40.000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 61, September 16; 40.000 gallons, invitation 62, September 16; 15.000 gallons, invitation 72, September 17; 13.000 gallons, invitation 54, September 15; 20.508 gallons, invitation 69, September 16; 15.000 gallons, invitation 70, September 17; 10.000 gallons, invitation 71, September 17; 20.000 gallons, invitation 73, September 17; 40.000 gallons, invitation 74, September 17; 40.000 gallons, invitation 75, September 17; 35.000 gallons, invitation 78, September 13; 55.000 gallons, invitation 79, September 13; 20.000 gallons, invitation 82, Septeember 14; 80.000 gallons, invitation 77, September 13; **various,** 1.000 gallons, Army Corps of Engineers (San Francisco 19, Calif.) invitation 41, September 15; 4.000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 85, September 15; 11.000 gallons, invitation 86, September 15; 600 gallons, Navy Purchasing Office (New York 3) invitation 3281, September 9.

Paint stripping compound, 400.000 pounds, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 122, September 30; 400.000 pounds, invitation 121, September 20.

Paint and varnish remover, 10.008 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 145, September 22; 10.002 gallons, invitation 144, September 22.

Protective compound, sprayable, 17.500 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 166, September 24.

Shortening, 2.500.000 pounds, Quartermaster Purchasing Office (Chicago 9, Ill.) invitation 219, September 8; various types, 220.150 pounds, Veterans Administration (Washington 25) invitation 47-S, September 9.

Soap, borax for dispensers, 15.000 pounds, Quartermaster, Marine Corps Depot (Philadelphia 46) invitation 1174, September 8; toilet, 2.208 bars, U. S. Penitentiary, Leavenworth, Kansas, invitation 30-179, September 13; chip, 1.500 pounds, Post Office Department (Washington 25) invitation 1049, September 13; wet cleaning, 35.704 pounds, and hand scouring, 400.000 pounds, various deliveries, Quartermaster Purchasing Office (New York 3) invitation 175, September 9.

Sulphuric acid, 1.500 tons, Army Corps of Engineers (Washington 25) invitation 37, September 15.

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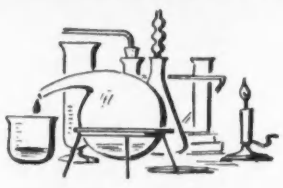

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Oils, Fats and Waxes

Market for oils and fats was irregular and developed an easier tone early in the week, until the sharp advance in bleachable cottonseed oil futures stiffened crude cottonseed and soybean oils and restored earlier losses. Prices index declined to 203.8, compared with 209.7 last month and 170.4 for the same time last year.

Heavy demand for bleachable cottonseed oil futures caught stop loss orders and prices scored substantial gains, which were reflected in crude cottonseed and soybean oils. The former regained earlier losses of about 1c., while soybean registered net advances of 1c. to 1½c. per pound. Coconut oil continued in a strong position owing to longshoremen's strike on the Pacific coast and was advanced fractionally for prompt and future shipment. Copra was practically unchanged and nominal. Peanut oil was in light supply and sold off fractionally.

Tung oil appeared to be the firmest of the drying oils and was advanced fractionally. Demand was moderate, but sellers reduced offerings and were strong in their views. There was no change in the linseed oil situation and the market was entirely nominal though firm bids it was reported could have shaded asking prices for carlot business.

Weakness of the lower grades of grease and tallow resulted in the lowering of prices of red oil and stearic acid 1½c. per pound and grease oil 1c. The better grades of grease and tallow remained steady and market developed firmer tone.

The general level of prices of oils and fats in the year beginning October 1948 is likely to be moderately lower than a year earlier as a result of an increased supply, according to the Bureau of Agricultural Economics. Continued strong domestic and export demands, however, will keep the twelve month average of prices of most oils and fats well above the wartime ceilings, the Bureau stated.

Market Trends

Prices Advanced

Coconut oil, ¼c. per lb.
fatty acid, 3c. per lb.
Soybean meal, $10 per ton.
oil, 1c. to 1½c. per lb.
Tung oil, ¼c. per lb.

Prices Reduced

Cottonseed fatty acid, ¾c. per lb.
meal, $2 per ton.
Grease oil, 1c. per lb.
Peanut oil, ½c. per lb.
Red oil, 1½c. per lb.
Soybean fatty acid, 1c. per lb.
Stearic acid, 1½c. per lb.
Tallow, fatty acid, ½c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
203.8	205.6	209.7	170.4

(*For Current Prices see Page* 9)

Cottonseed Oil

Active demand for bleachable cottonseed oil futures last Wednesday caught the market with little selling pressure and resulted in substantial advances, for all options with September leading and advancing over 200 points. Trading was of a broad general character, with considerable short covering running into stop loss orders, heavy consuming demand and mills hedging against sales of crude. Users, it was reported, were switching from soybean oil to cottonseed oil, as the prices of these oils were at the same level. Soybean oil usually sold at a discount under cottonseed oil. Although profit taking caused partial setbacks, the market remained on a firm basis. There is a big open interest in September and no tenders were reported on this month.

Crude oil was stiffened by the sharp advance in bleachable oil and earlier declines of 1½c. per pound were regained. Prompt shipment was sold up to 23c. per pound, tankcars, f.o.b. mills and 22½c. for first half September and 22c. for straight September. October sold at 20c. and October-December at 16c.

Memphis—Crude cottonseed and soybean oils were 22c. bid for tankcars, f.o.b. mills for shipment. Trading light. Cottonseed meal, 41 percent, quoted at $60 per ton, Memphis, prompt shipment, and $58, September. Cottonseed hulls $6 per ton, bulk, and $14 sacked, Valley basis.

Prices of refined bleachable prime summer yellow cottonseed oil in tankcars on the N. Y. Produce Exchange for the week ended September 3 follow:—

	Sales	Cents per pound High	Low	Close
September	180	24.50	21.30	24.25@24.50
October	314	20.55	18.20	20.20&20.25S
December	430	19.70	17.93	19.25S
January	1	18.00	17.95	19.20@19.35
March	108	19.50	17.95	19.11@19.20
May	33	19.25	17.90	18.95@19.20
July	20	19.15	18.00	18.85@19.05

Total sales—1,086 tankcars.

Linseed Oil

Buying interest continued slow last week. Market was still unsettled and both crushers and consumers preferred to await the governments action as to the disposal of flaxseed stocks now being puchased by CCC at the support price of $6 per bushel. In the meantime quotations were entirely nominal for raw oil at 27.80c. to 28.80c. per pound, tankcars, zone 3, according to seller. It was intimated that firm bids of 27.60c., the floor price, would have been accepted on tankcar business. Improved demand was reported for delivery against former contracts during the past two weeks. Tung oil was firmer, with sellers less disposed to press for business. Tankcars were generally named at 20¾c. and 21c., New York basis, depending upon seller. Sales were reported earlier at 20½c. and 20¾c., same basis.

Minneapolis—Demand for linseed oil faded to a mere whisper during the week, the only business done, being in small packaged lots with warehouse and retail buyers. Large buyers, after a small fillip of business early last week, virtually dropped out of the market and both oil producers and consumers were sitting back to wait the government's next move. Oil prices were nominal at 27c. with some crushers and 28c. with others, in tanks, zone 1, with no attempt made to establish a trading basis because of the upset situation. Production was at top levels and shipping orders were in steady volume. Mills were actively shipping supplies to all areas and the oil buyers appeared to be building up a small backlog in their own storage positions.

Shipments of linseed oil, in pounds, were as follows:—

	1947-48	1946-47
This week	8,040,000	4,740,000
Since Sept. 1, 1947	372,614,000	264,080,000

Flaxseed—CCC continued to purchase seed at the support price of $6 per bushel.

Minneapolis—CCC absorbed country supplies at the $6 support level, eliminating the crushers as seed buyers. More than 5,060,000 bushels of seed were purchased by CCC in a 4-day period, through terminal elevator firms and the latter special binning the seed for government account. The only change in the market status after the buying got under way was extension of the to arrive buying from a 20 day to a 35 day basis.

Washington rumor had it that the seed purchased by CCC would go into export channels as it was declared a surplus commodity. There appeared to be considerable confusion about final disposition of the seed and action of the United States brought Canada out with the statement that seed was available in the open market from the Canadian crop. Winnipeg seed futures declined steadily from the start of trade and values were down below $4.15 a bushel as the week ended. Many expected that the Winnipeg price would drop down to the $4 support level in Canada, further complicating the domestic situation. It was estimated that crushers had enough seed from old and new crop holdings to last 60 to 90 days but it was difficult to ascertain just how much seed was in the elevators. Public elevators held 1,420,490 bushels and there was no record of private holdings, nor of the amount of seed purchased on a 90-day to arrive basis by the crushing trade.

Shipments of flaxseed in bushels were as follows:—

	Receipts 1947-48	Receipts 1946-47	Shipments 1947-48	Shipments 1946-47
Bushels—				
This week	4,237,000	1,688,000	433,500	258,400
Since Sept. 1, 1947	33,256,200	13,967,800	5,410,500	5,302,500

Animal Oils

Degras—Crude degras demand was fairly active with prices steady. Neutral grades remained quiet and unchanged.

Grease Oil—This market was easier and off about 1c. per pound for lower grades while prime burning was unchanged, because of the firmness low acid greases. No. 1 was quoted at 18¼c. to 19¼c. per pound, drums as to quantity, extra winter strained, 20c. to 21c. and prime burning, 22c. to 22½c.

Oleo Oil—Trading was quiet and market was unchanged and more or less nominal. Extra oil was quoted at 26½c. per pound, tierces, New York.

Oleo Stearine—Consuming inquiry continued slow. Prices were more or less nominal at 25½c. per pound, tierces, New York delivery.

Fish Oils

Cod—Small stocks were closely held at current levels. Quotations were more or less nominal.

Refined Fish—Consuming inquiry was

For Late Market Developments, See Page 4

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inactive. Refined oil was unchanged. Crude oil also was dull and nominal at 14c. per pound, loose, works.

Los Angeles—Sardine fishing remains poor, U. S. Fish and Wildlife Service reported 5,646 tons were landed this season through August 28, compared with 7,396 tons for the same period last year.

Other Vegetable Oils

Castor, Dehydrated—Demand was reported light and spotty for immediate delivery. Prices were without change.

Coconut—Crude oil was reported sold at 23c. per pound, tankcars, f.o.b. Pacific coast for spot shipment. Business was limited and the market was entirely nominal, because of longshoremen's strike. Straight September shipment was quoted at 22c. Guaranteed October delivery was sold at 19c., and November-December at 17¾c.

Copra—Inquiry was reported limited. Some business was reported at $237.50 per short ton, c.i.f. Pacific coast, for first half September shipment. Department of Agriculture announced the purchase of 2,000 long tons of copra, at $230 per ton, f.o.b. Philippines, August 11.

Corn—Offerings continued scarce and the market was merely nominal. Crude oil was quoted at 25c. per pound, tankcars, f.o.b. mills for prompt shipment. Buyers ideas were about 1c. less. Refined oil also was in light supply and nominal at 28½c., same basis.

Oiticica—There was little doing in this market. Quotations were reported easy and nominal. Liquid was quoted at 17½c. per pound, tankcars and drums, New York for prompt and forward delivery. Consuming inquiry was lacking.

Olive—Conditions in this market were steadier, with offerings less liberal. Spanish oil was ranged from $4.50 to $4.75 per gallon, drums, duty paid, on the spot depending upon quantity and seller. Moroccan was unchanged at $4. Arrivals of Spanish oil totaled 312 drums and 959 drums of Moroccan oil at New York last week.

Olive Foots—Demand was reported slow for spot and forward delivery. Prices were unchanged for spot stocks at 21½c. per pound, tankcars and 23c. to 23½c. drums as to quantity. Prompt shipments were quoted at 17½c. per pound tankcars, New York with no buying interest.

Palm—Inquiry was reported as fair. Tankcars were quoted at 21½c. per pound, New York for prompt and forward delivery. Malaya exported 9,076 tons of palm oil and 2,657 tons of palm kernels in the first six months of 1948, to the United Kingdom, compared with 50,771 tons and 5,874 tons respectively during the same period last year.

Peanut—This market was easier and crude oil sales took place at 24c. per pound, tankcars, f.o.b. mills, for immediate shipment and was quoted at 25c. Refined oil was reported sold at 29c. per pound, tankcars, delivered East.

Rapeseed—Training was dull and featureless. Refined oil was nominal at 26c. per pound, tankcars, New York basis.

Soybean—Prices scored advances of 1c. to 1½c. per pound according to delivery last week. Market was stiffened by the sharp boost in cottonseed oil futures. Trading was moderate and took place for prompt and forward delivery. Crude oil was sold at 23c. per pound, tankcars for spot shipment, at 22½c. for first half of September, 22c. for straight September, 17c. for October and 16c. October-December. Refined oil was steady and nominal at 26c. to 26½c. per pound, tankcars, delivered East. Technical refined grades were reduced 1c. per pound.

Price support of $2.18 a bushel for 1948-crop green and yellow soybeans, grading U. S. No. 2 and containing not more than 14 percent moisture, was an-

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nounced August 30 by the Department of Agriculture. Price support for the 1947-crop green and yellow soybeans was $2.04 a bushel. Black, brown and mixed varieties of 1948-crop soybeans will be supported at $1.98 a bushel.

Prices of refined bleachable soybean oil, in tankcars, on the N. Y. Produce Exchange for the week ended September 3 follow:—

	Sales	Cents per pound High	Low	Close
September	..	....	....	21.75N
October	..	....	....	19.25A
December	..	....	....	18.75A
January	..	....	....	18.75A
March	..	....	....	18.75A
May	..	....	....	18.75A
July	..	....	....	18.75A

Sales—None.

Tung—Prices were firmer and advanced about ¼c. per pound. Offerings were scarcer. Trading was reported at 20½c. and 20¾c. per pound, tankcars, New York basis, with sellers holding at 20¾c. to 21c., same basis. Bids of 20½c. were reported turned down late in the week. Drums were quoted at 22¼c. to 22½c. per pound, carlots, as to seller. The trade still awaited definite information as to the enforcement of the Chinese proclamation of the establishment of a floor price on shipments of tung oil at 20c. per pound, c. and f. New York. No exports from China have been reported since the announcement two weeks ago. Reports from the Argentine stated that tung oil production is expected to approximate 6,600 short tons this year, compared with 4,500 tons in 1947 and only 100 tons in 1941. Tung oil export outlook continues poor, and is attributed to the recovery of the Chinese tung oil industry and sales to the United States at lower prices. According to unofficial figures, only 19 tons were shipped in 1947, most of which went to South Africa.

Fats and Greases

Greases—Better grades remained steady, at unchanged prices while low grades were reported easy. Trading was light chiefly in the high grades.

Lard—Lard was firmer with cottonseed oil and corn last week. Prices advances were fractional. Trading was reported slow. Lard stocks at Chicago totaled 84,035,535 pounds, August 31, against 98,366,207 pounds, August 1 and 90,130,199 pounds, August 31, last year.

Tallow—Buying interest was restricted to the high grades, which were steady and held at former quotations. Trading in fancy was moderate and reported at 14c. per pound, loose. Offerings were light for the better grades. Low grades were offered freely, with little demand.

Fatty Acids

Coconut Oil-Acid—Higher cost of oil raised prices of fatty acid 3c. per pound to 29c. per pound, tankcars, and drums to 30¼c. to 31¼c. per pound, depending upon quantity.

Cottonseed Oil-Acid—Prices were cut ¾c. per pound with the lower cost of the oil. Tankcars were quoted at 15¼c. per pound. Drums ranged from 16½c. to 17½c. depending upon quantity.

Red Oil—Market was firmer following the reduction of 1½c. per pound. Consuming inquiry was improved and supplies were well held at the lower level. Single distilled was quoted at 20¼c. to 21¼c. per pound, drums and 19c. tankcars; double, 22¾c. to 23¾c. per pound, drums and 21½c. tankcars. Saponified, 19½c. to 20½c. per pound, drums and 18¼c. tankcars.

Stearic Acid—Quotations were reduced 1½c. per pound for all grades. Trading was light at the lower level. Single pressed was quoted at 26c. to 27c. per pound, bags, as to quantity; double, 26½c. to 27½c. and triple, 29¼c. to 30¼c.

Tallow Acid—Lower cost of production resulted in ½c. per pound decline in this fatty acid. Tankcars were reduced to 17c. and drums to 18¼c. to 19¼c. per pound, depending upon quantity.

Cake and Meal

Cottonseed Meal—Trading has been unusually heavy during the past week with biggest demand centered among Eastern and mid-Western feed mixers. Sacked 41 percent trading was in good volume for September shipment at $55.50 f.o.b. South Carolina mills; $54.50 and $54,

—Continued on page 86

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1—Kent Change Can Mixer, 30 gallons, with motor.

1—Mikro Pulverizer No. 1 SH, Stainless Steel construction, complete.
1—Robinson Stainless Steel Attrition Mill.
1—Shriver Filter Press, 42" x 42".
1—Shriver Filter Press, 36" x 36".
2—J. H. Day Powder Mixers, D8, with motor & reducer.
2—Baker Perkins Stainless Steel Jacketed Mixers, 100 gallons.
2—Stainless Steel Clad Storage Tanks, 7' x 16'6".
5—Simpson Intensive Mixers, No. 0, with Cleveland worm gear reducer.

R. GELB & SONS, INC.
Est. 1886 UNION, N. J. UNionville 2-4900

IN STOCK

1—Baker Perkins 200 gal. Double arm Jack. Mixer.
1—Lehman 4 Roll W.C. 12" x 36" Steel Mill 20 H.P. Motor.
3—Hardinge Conical Ball Mills, 4½' x 24" & 3' x 8".
4—Allbright-Nell 4' x 9' Atmos. Drum Dryers & Flakers.
1—No. 12 Sweetland Filter, 71-36" copper leaves on 2" centers, hydraulic opening & closing.
1—Badger 42" dia. Monel Bubble Cap Column.
1—Buffalo Vac. Drum Dryer 21"x20".
1—Proctor Vac. Shelf Dryer, 9—40"x42" steam shelves, 6" spacings.
2—Sperry 18" sq. Lead Filter Presses.
15—Sperry & Shriver, 12", 18", 24", 30", 32" & 42" sq. Iron Filter Presses.
4—Shriver & Independ. PL & Fr. Wood Filter Presses, 18" x 24" sq.
3—Baker Perkins heavy duty Jack. Mixers, 200, 100, 50, 3 & 0.7 gals.
1—Day Jumbo 550 gal. Horiz. Steel Jack. Mixer.
1—Royle No. 2 Perfected Extruder.
2—Abbe No. 18 Bluforgess Sifters.
5—Tyler 28 Jr. Hummer Screens, 24" x 60".
1—Tyler Ro-Tap Sifter ½ HP.
9—Tolhurst 40" Suspended Type Centrifugals, Bottom Discharge. Also 26" Rubber-Lined.
3—Lehman 3-Roll Water Cooled Steel Mills, 9" x 22", 12" x 36" & 16" x 40".
2—Stokes RD1 Rotary Tablet Machines, 16 die openings 1 3/16" dia. Also ⅝", 1", 1¼", also single punch.
1—Eutchman 6" Double Screw Plodder.
3—Jones Type E, A & K automatic Soap Presses.
1—Huber 25 ton Para Block Press.
1—Houchin 12" x 24" 3-Roll Granite Stone Mill.
11—Sharples No. 5A Stainless Oil Centrifuges, late type, 2 H.P.
2—Manton Gaulin Stainless Steel Homogenizers, type 200 & 300.
Devine 800 & 1,000 gal. closed steel Kettles & Stills.
1—250 gal lead-lined Kettle.
10—Dry Powder Mixers, 50 to 2,500 lbs.
6—Pony Mixers, 2½ to 40 gals.
3—Stokes & Day Powder Fillers.
1—Standard Knapp Can Labeler.
1—Abbe Pebble Mill, 24"x36", 30 gals.
2—Burkhard 28" & 30" Revolving Pans.
10—Stokes Vert. High Vac. Pumps.
3—Duriron 3" x 2" Centrif. Pumps.
1—Sturtevant 36" Rock Emery Mill.
1—Gruendler 5" x 6" Jaw Crusher.
1—Sharples No. 6 Centrifuge.
1—Samco Jr. Vac. Bottle Filler.
6—Pfaudler Glass-Lined Jack. Agit. Kettles, 250, 400, 500 gals.
25—Stainless Tanks, 100 to 2,000 gals.
1—Colton Hand Tube Filler.
6—Filling, Labeling, Cartoning & Wrapping Machines.
10—Stainless steel jacketed Kettles, new & used, 40, 60, 80, 100, 275 & 500 gals., some agitated.
12—Alum. Jack. Kettles, 30 to 100 gals.
18—Copper Jack. Kettles, 2, 20, 50, 75 100, 250 & 350 gals., some agitated.
15—Port. Elec. Mixers, ½-2 HP.
1—Abbe 2 Jar Mill, 2 gal. Jars.
1—Abbe No. 0 Rotary Cutter ⅓ H P
1—Williams No. 3 Hammer Mill.
3—Jeffrey & Stedman Hammer Mills 12" x 9" 15" x 8" & 24" x 11".
1—Stedman 32" Single Roll Crusher.
1—Jeffrey 18" x 48" Single Deck Conveyor Screen.
4—Day Pot Mills, 24" x 32" dia.
6—Centrifugals 26", 30" & 40".
4—No. 0000 and No. 0 Raymond Mills.
4—Dopp Jack Kettles 10 to 50 gals.
1—Blystone 2,500 lb. horiz Spiral & Paddles Steel Mixer.
6—Horiz. Mixers, 20 to 250 gal.
6—Lead & Paste Mixers to 200 gals.
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2—Worth 12" x 12" x 12" Vac. Pumps.
2—DeLaval Mult. Clarifiers, 300 & 301.
2—Rotary Screens, 18" x 72".
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1—Double Stand Steel 4-Roller Mill.
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We Buy Your Surplus Machinery

STEIN EQUIPMENT COMPANY
90 WEST ST., NEW YORK 6, N. Y.
WOrth 2-5715

Botanical Drugs

—Continued from page 72

was estimated at 2,204,600 pounds, against 3,307,000 pounds in 1947.

Pepper—Black pepper advanced to 76c. to 77c. per pound on the spot. The American Consul General at Batavia reported the 1948 crop in the Lampong district of south Sumatra will be less than forecast previously. The crop was expected not to exceed 11,023,000 pounds. Legal exports from the Netherlands Indies in 1947 totaled 5,623,000 pounds. From January to May, 1948, only 912,000 pounds were shipped to the United States and the domestic growers of red peppers advanced their price ideas very sharply. Also, Hontaka peppers were up to 48c. to 49c. per pound; Niger, overwhelmingly higher at 40c. to 40½c.; Nigerian birdseye, 45c. to 45½c.

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Stokes and Smith G1 and Duplex Automatic Powder Fillers.

Sweetland, Vallez, Sperry, Shriver and Johnson Filter Presses.

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1—J. H. Day 12"x30"—3 Roller Water Cooled Mill.
1—12"x30" Kent 3 Roller Water Cooled Mill.
1—16"x40" Day 3 Roller Water Cooled Mill.
4—12"x30" Lehman 5 Roller Water Cooled Mill.
1—Bramhall-Deane Sterilizer I.D. 2'6" wide x 4' high x 5' long.
1—No. 0000 Raymond Impact Pulverizer with 10 HP Motor, Cyclone, Dust Collector, Ducts and Steel Supports.
1—Size 157-2 Briton Hammermill with 2 HP Motor and Compensator.
1—No. 12 Sweetland Filter Press, 36 leaves—4" centers.
1—No. 1 Gruendler Hammermill and motor.
1—5' Dia. Gayco Air Separator.
1—10,000 lb. Platform Scale—platform 8'x6'.
4—24"x48" (12 cu. ft.) single ribbon and paddle mixers with A.C. motors.
1—500 gallon glass lined (Pairy) jacketed kettle stainless steel side entrance agitator and stainless steel hinged cover.

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Also a full line of pumps, tanks of all kinds, kettles, scales, etc.
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2—Pfaudler 100-gal. model S agitated vacuum stills—LIKE NEW.
1—2,500-gallon stainless steel jacketed vacuum still, complete with auxiliaries.
1—Lancaster No. 4 stainless steel mixer.
1—NEW Pfaudler 200-gal. glass lined receiver.
2—NEW 40" Tolhurst suspended type centrifuge with stainless steel perforated basket and stainless steel curb.
4—Abbe Engineering 50-gallon porcelain lined pebble mills—1 jacketed.
2—Sweuson single effect evaporators, monel metal and karbate construction.
2—Shriver 36" cast iron plate and frame closed delivery, washing type filter press, 2" cake.
40—Pfaudler glass lined tanks—from 50—600 gallons. Some NEW, most reenameled.
2—Brand new Pfaudler 150 gal. evaporating pans, jacketed and agitated (glass lined).

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20—Steam Jacketed Kettles, stainless steel and aluminum, 30 to 250 gals. cap.
1—Dopp 125 gal. Steam Jacketed Kettle with agitator.
1—Stedman 40" Cage Disintegrator.
Stainless Steel Vert. Tank, 7' dia. x 10', No. 430 Chrome.
1—Buflovak Impregnating Tank, 42" x 52", steam jacketed.
2—Flow-Master Kom-bi-nators.
2—New Ribbon Type Mixers, 8 and 24 cu. ft.
4—Steel Tanks, 100,000 gal. each.
4—Steel Tanks, 67,500 gal. each.
Sterilizers 18 x 18 & 24 x 27 with clamp-down covers and safety valves.
1—Sperry Filter 18 x 18—24 plate.
1—DeLaval Lab. Separator with ½ H.P. motor.
1—18-spout Karl Kiefer Rotary Filler.
6—Stokes Rotary Tablet Machines, Model RD-4.
10—New Sharples Oil Purifiers.
6—New Clevon Can Filling Machines.
2—New Water Tube Boilers, 190 H.P. each with Stokers, Immediate Delivery.
1—36" Stainless Steel Diatomaceous Earth Filter and Slurry Feeder—never used.

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For sale: Sharples supercentrifuge No. 16 stainless steel. DeLaval separator model AC-VO. DeLaval oil purifier model BA-11. DeLaval oil purifier model 26-13. Anderson expeller. B. C. Sziland Machinery Company, Dunedin, Florida.

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FOR SALE

Two Schriver, cast iron filter presses, 42-inch open delivery, wash type, 36 frames and plates, 2-inch cake. Practically new. 20,000 pounds iron oxide pigment. OPD 942.

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Wanted — Complete plants, also machinery — Large engineering firm wishes to acquire several complete plants through purchase of (1) capital stock, (2) assets, (3) machinery and equipment, whole or in part. Personnel retained where possible, strictest confidence. Box 624, 1474 Broadway, New York 18, N. Y.

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Pharmaceutical chemist — Capable of taking charge of production all pharmaceutical products. Must be able to supervise assay and control laboratory and plant layout, assist in purchasing, cost calculation, label preparation, reports, etc. In reply state age, complete employment record, education, marital status and when services available. Veltex Co., 1811 1st Ave., No., Birmingham, Ala.

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Prosperous Well established small firm, headquarters Atlantic Seaboard, has unusual immediate opening for high-grade resourceful sales-minded executive, thoroughly experienced in raw materials, particularly qualified to originate and handle through to profitable conclusions, the sales of Infusorial Earth, clay, etc., —not exclusively for filtering. Prefer man desiring make investment, having initiative, profit-minded, and competent to develop further this portion of a profitable "going" enterprise. OPD 934.

Sales Representative (commission basis) wanted by well known manufacturer of medicinal and reagent chemicals. Active contacts with drug manufacturers (ampule, tablet, specialty manufacturers and laboratories) required. State experience, references and territory covered. OPD 935.

Large Eastern paint manufacturer desires sales representative for New England territory. This territory has a large number of established accounts. Only men who at present or recently worked for paint manufacturers selling, between the ages of 30 and 45 need apply. Attractive compensation offered. OPD 936.

POSITIONS WANTED

Chemist, Ph.D., 37, 13 years' responsible or supervisory experience in synthesis (esters, amides, sulfonates, ethers), fat derivatives, emulsifiers, detergents, waxes, plasticizers, alkyd and other resins, varnishes. Publications. OPD 914.

POSITIONS WANTED

Executive, 15 years' up-to-date experience export import heavy, fine chemicals, pharmaceuticals, naval stores, pigments, desires position with manufacturer. Linguist, capable organizer and administrator. Widely travelled. At present employed at $20,000 per annum. OPD 927.

Pharmaceutical and fine chemical manager with extensive experience and fine record in ethical, export and import fields, able technical correspondent, seeks connection with first class firm. Highest type references. OPD 929.

Top grade executive chemist now available, ably experienced in all phases of engineering, development, purchasing and production of pharmaceuticals, fine chemicals, intermediates, inorganic chemicals, including tablets, ointments, ampules and tonics. OPD 932.

Chemist, 38, married, production, administration, executive background in processing and packaging field, seeks position of heavy responsibility and opportunity to use initiative and excellent training. Employed at present. OPD 941.

Sales: Have you an opening? Experienced in sales, correspondence and outside selling from diamonds to shoelaces. College, Etc. Will guarantee no weather reports. Interview would be appreciated. OPD 943.

Chemist: Paint varnish and lacquers, experienced in all phases of development, formulation and production of shelf goods, industrial finishes, silk screen and maintenance products, desires position in Metropolitan area. Sales and sales service. OPD 945.

Oils, Fats and Waxes

—Continued from page 83

f.o.b. Georgia mills, depending on location. Cottonseed meal for September shipment is from $20 to $25 per ton cheaper than old crop soya, and a good many feed mixers have switched over and are now using mostly cottonseed meal in their dairy formulas. With a stronger market, October shipment in the Southeast is not being discounted under September.

Linseed Meal—Trading light for actual needs. Quotations unchanged and merely nominal.

Minneapolis — There was little improvement in the meal situation, which was actually the crux of the market breakdown. Prices were at $59 to $61 per ton, bulk, f.o.b. mills with demand listless. There were a few spot purchases from day to day but the larger buying demand was notably absent from the market.

Shipment of linseed meal, in pounds, were as follows:—

	1947-48	1946-47
This week	14,230,000	7,720,000
Since Sept. 1, 1947	139,580,000	100,132,930

Peanut Meal—Most old crop supplies of old process have been cleaned up and the only offerings in the market are for nuprocess at $60 for 41 percent and $65 for 45 percent f.o.b. Alabama mills. There is not too much buying interest in this meal.

Soybean Meal—Old crop meal has advanced nearly $10 during the past week with the supplies of both o'd process and nuprocess exceedingly limited. Bulk 41 percent has already traded for spot shipment at $81 basis Decatur. There is not yet much buying interest in the new crop positions and bulk 41 percent was offered at from $53 to $54 basis Decatur, October forward.

FOR SALE

AGITATORS—MIXERS

1—Turbo 48 Vert., 57½ RPM, 20 HP.
1—Lightnin Port., 1 HP 400 RPM, expl. pr.
11—Portable ¾, ½, 1.3 & ¼ HP, 400 RPM, expl. pr.
24—Portable, 1 HP to ¼ HP, 1,725 RPM, expl. pr.
18—Side Entering, ¾" dia. shaft, 6", 8", 16" dia. prop.
7—Side Entering, 1¼" dia. shaft, 12", 15", 18" dia. prop.
8—Conical Blenders, 25, 50, 300, 500 lb.
12—Dry Mixers, 200 lb. to 3,600 lb. cap.
1—Lancaster No. 1 EAG Intensive, with cryolite, stainless, 59" dia.
1—Horiz. Spiral, H.D., Jkt'd., stainless, 1,000 lb.
1—Steel H.D. double arm, jkt'd., tilting, stainless, 150 gal. wkg. cap.
6—H.D. double arm, jkt'd., tilting, 50 to 150 gal. wkg. cap.
2—Rotary Drum, 5,500 gal.
1—Continuous Rotary, 4,000 gal.
1—H.D., jkt'd. & agit., 900 gal.

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1—50 gal., Aluminum, Agit.
1—150 gal., Steel, Jkt'd.
1—180 gal., Steel, Agit., Jkt'd.

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12—Tubular, Brass, Bronze or Copper, 85 to 3,800 sq. ft.
10—B & G Tubular, Steel, 314 sq. ft.
3—Plate type, bronze, 20 & 108 plate.
12—Single & double pipe coolers.

MISCELLANEOUS

2—Tray Dryers, 91 & 1,030 sq. ft.
5—Double Drum Atm. Dryers, 22" x 58", 28" x 60", 4' x 9'.
1—Sweetland No. 10 Filter, bronze lvs.
12—P & F Filter Presses, 10" to 42".
15—Stainless Kettles, 100 lb. jkt'd. press, 50, 100, 150, 200, 300, 500 gal.
1—Stokes "R" 15-ton single punch pellet Press.
11—Stokes & Colton 16 punch pellet Presses.
3—Mikro Pulverizers, 1, 2DH, 4.
6—Ducitron Cent. Pumps, 90 GPM, 45'.
2—Bronze Cent. pumps, 200 GPM, 250'.
12—Bronze Cent. Pumps, 180 GPM, 55'.
2—Vacuum Stills, 100 gal., jkt'd., agit.
7—Water Stills to 250 GPH.
1—Stainless Tank, 6,000 gal., horiz., jkt'd., agit.
9—Stainless Tanks, 2,500 gal.
3—Stainless Tanks, 1,000 gal., open top.
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3—9" x 24" motor driven roller mills.
1—16 x 40 roller mill.
3—12 x 30 roller mills.
PONY MIXERS from 2½ gallons to 40 gallons.
2—16" x 5' burr stone-lined pebble mills.
1—Paterson 6' x 5' watercooled steel ball mill.
10—New portable tanks on wheels, size 36 x 36, for change can mixers.

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1—No. 20—20 Burton Mixer, 2000 lb. capacity, heavy construction, roller bearings, driven by 5 HP 3—60—220.
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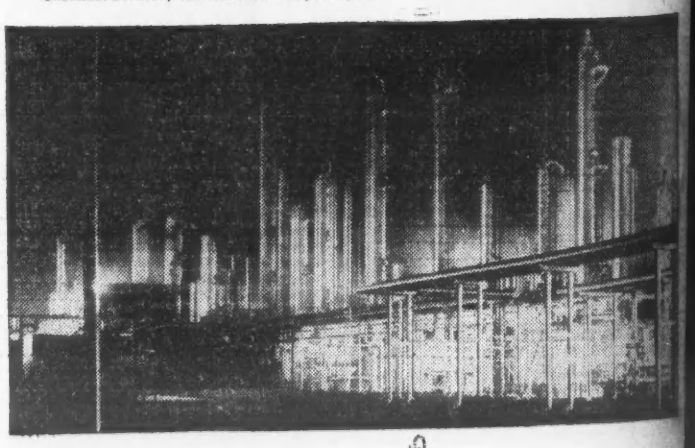

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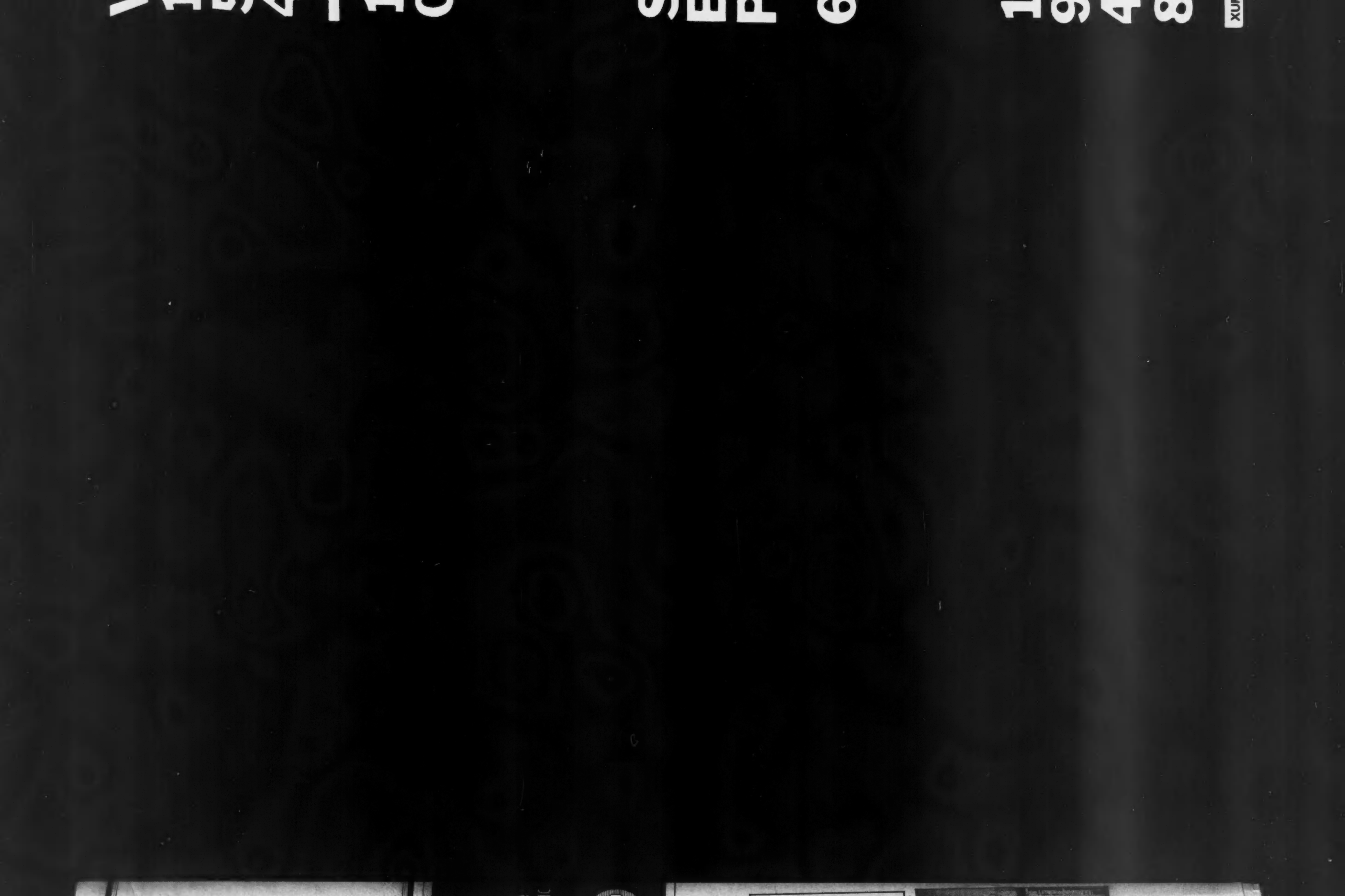
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